Form 3160-3
(December 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE (Other instructions on reverse side)

RECEIVED
DEC 21 1994
DIV OF OIL, GAS & MINING

Form approved.
Budget Bureau No. 1004-0136
Expires December 31, 1991

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

5. LEASE DESIGNATION AND SERIAL NO.: ML-3042

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

1a. TYPE OF WORK: DRILL [X] DEEPEN [ ]

b TYPE OF WELL: OIL WELL [ ] GAS WELL [X] OTHER ____ SINGLE ZONE [ ] MULTIPLE ZONE [ ]

7. UNIT AGREEMENT NAME: RED WASH

8. FARM OR LEASE NAME, WELL NO.: #307

2. NAME OF OPERATOR: CHEVRON USA PRODUCTION CO., INC.

9. API WELL NO.:

3. ADDRESS AND TELEPHONE NO.: 11002 EAST, 17500 SOUTH, VERNAL, UT 84078-8526 (801) 781-4300

10. FIELD AND POOL, OR WILDCAT: RED WASH / GREEN RIVER

4. LOCATION OF WELL (*Report location clearly and in accordance with any State requirements*)*
At surface: 1137' FSL, 1135' FWL, SWSW
At proposed prod. zone: SAME

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: SEC. 16-T7S-R24E, SLB&M

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*: 28.2 MILES FROM VERNAL, UT

12. COUNTY OR PARISH: UINTAH

13. STATE: UTAH

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any): 1135'

16. NO. OF ACRES IN LEASE: 640

17. NO. OF ACRES ASSIGNED TO THIS WELL: NA

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.: 3926'

19. PROPOSED DEPTH: 5532'

20. ROTARY OR CABLE TOOLS: ROTARY

21. ELEVATIONS (Show whether DF, RT, GR, etc.): 5770' GL

22. APPROX. DATE WORK WILL START*: 2/1/95

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8" K-55	24#	360'	190 SX.
7-7/8"	5-1/2" K-55	15.5#	5532'	628 SX.

We propose to drill for natural gas in the Green River Formation at the specified location. Enclosures:

- Certified Plat
- Self Certification Statement
- Thirteen Point Surface Use Plan With Attachments
- Eight Point Drilling Plan With Attachments

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED: L T Conley TITLE: TEAM LEADER DATE: 12-19-94

(This space for Federal or State office use)

PERMIT NO. 43-047-32632 APPROVAL DATE: APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY:

DATE: 1/17/95
BY: [illegible]
WELL SPACING: 649-2-3

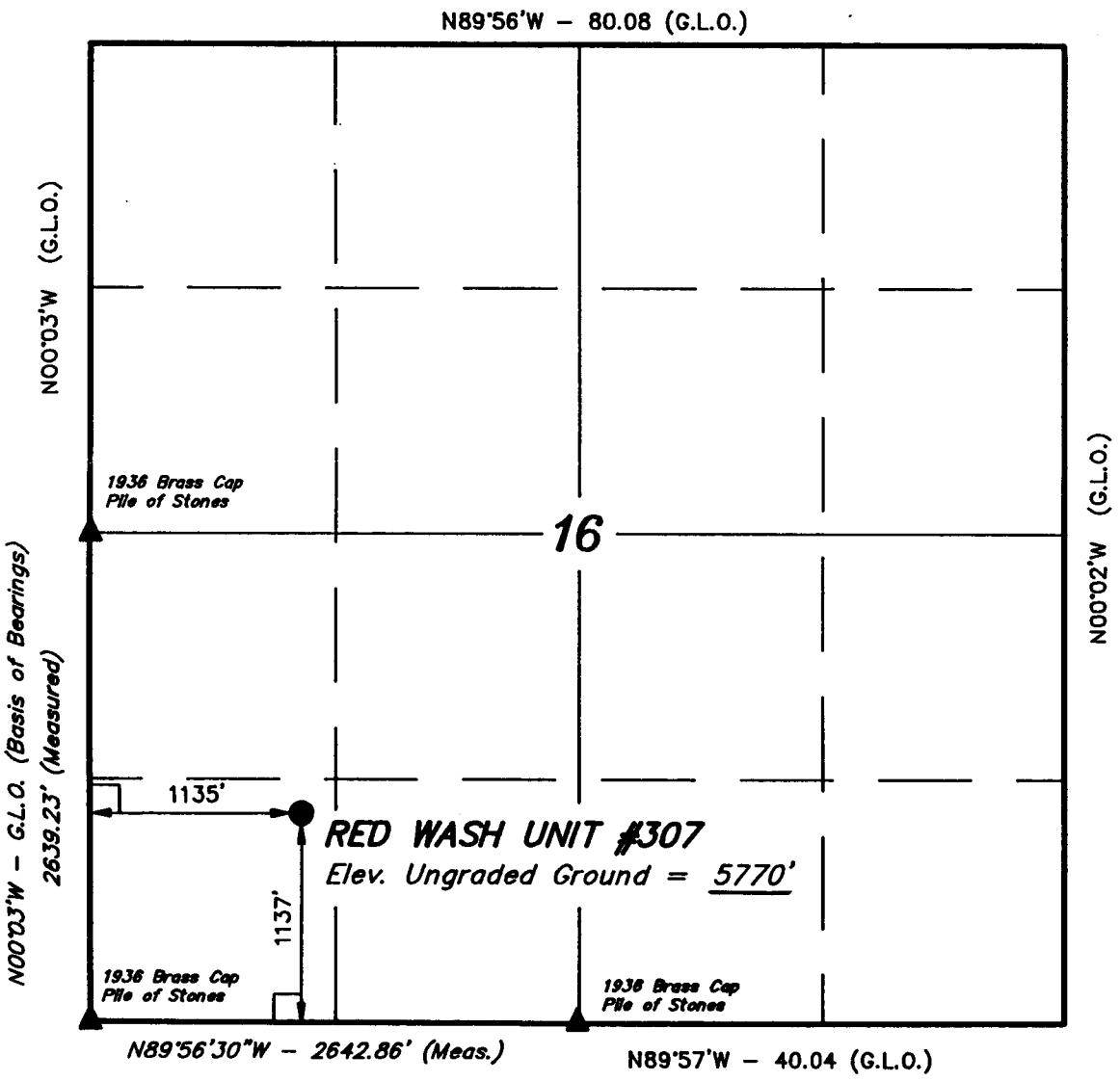
APPROVED BY ____ TITLE ____

*See Instructions On Reverse Side

CHEVRON U.S.A., INC.

Well location, RED WASH UNIT #307, located as shown in the SW 1/4 SW 1/4 of Section 16, T7S, R24E, S.L.B.&M. Uintah County, Utah.

T7S, R24E, S.L.B.&M.

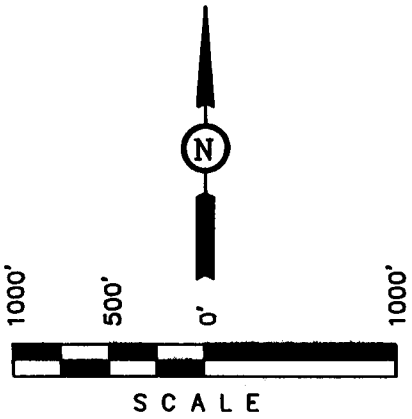


LEGEND:

- └ = 90° SYMBOL
- ● = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

BASIS OF ELEVATION

SPOT ELEVATION AT THE SOUTHWEST CORNER OF SECTION 16, T7S, R24E, S.L.B.&M. TAKEN FROM THE DINOSUR NW, QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5741 FEET.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Robert L Kay

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST – VERNAL, UTAH 84078
(801) 789-1017

SCALE: 1" = 1000'	DATE SURVEYED: 9-21-94	DATE DRAWN: 11-15-94
PARTY: B.B. D.G. C.B.T.	REFERENCES: G.L.O. PLAT	
WEATHER: COOL	FILE: CHEVRON U.S.A., INC.	

(3)

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
DRILLING INSPECTION FORM

OPERATOR: CHEVRON USA INC. COMPANY REP: DEAN GULICK

WELL NAME: REDWASH UNIT 307 API NO: 43-047-32632

QTR/QTR: SW/SW SECTION: 16 TWP: 7S RANGE: 24E

CONTRACTOR: KENTING APOLLO RIG NUMBER: 56

INSPECTOR: DAVID HACKFORD TIME: 11:00 AM DATE: 4/24/95

SPUD DATE: DRY: 3/7/95 ROTARY: 4/17/95 PROJECTED T.D. 5532'

OPERATIONS AT TIME OF VISIT: CORING AT 4443. RAN 90' BARREL AND 74' CORED AT TIME OF INSPECTION.

WELL SIGN: Y MUD WEIGHT 8.9 LBS/GAL BOPE: Y

BLOOIE LINE: N FLARE PIT: Y H2S POTENTIAL: N

ENVIRONMENTAL:

RESERVE PIT: Y FENCED: Y LINED: N PLASTIC: _____

RUBBER: _____ BENTONITE: _____ SANITATION: _____

BOPE TEST RECORDED IN THE RIG DAILY TOUR BOOK: Y

REMARKS:

SURVEY AT 4369' WAS 1 3/4 DEGREES. CORING WITH 40 VIS MUD WITH 15% LCM. NIPPLED UP WITH DOUBLEGATE, ANNULAR, DRILLING NIPPLE.

CHEVRON USA PRODUCTION CO.

RED WASH UNIT #307
1137' FSL & 1135' FWL
SWSW-S16-T7S-R24E, SLB&M
UINTAH COUNTY, UTAH

EIGHT POINT DRILLING PLAN

1. ESTIMATED FORMATION TOPS:

Uinta	Surface
Green River	~2666' to 5532' TD

2. ESTIMATED DEPTHS OF TOP AND BOTTOM OF WATER, OIL, GAS, OR OTHER MINERAL BEARING FORMATIONS AND PLAN FOR PROTECTION:

Deepest Fresh Water: ~2666', top of Green River Formation. The Green River Formation is classified as an exempt aquifer in the vicinity of the proposed well.

Oil Shale: Oil shale is expected between the depths of ~3624-3559'.

Oil: None expected.

Gas: Possible gas in the Uinta Fm. below ~2100'. Expected in the Green River Fm. from ~4082' to 5382'.

Protection of oil, gas, water, or other mineral bearing formations: Protection shall be accomplished by cementing surface casing and production casing back to the surface or to depths sufficient to isolate required formations. Please refer to casing and cement information for protection plans.

3. PRESSURE CONTROL EQUIPMENT:

For drilling surface hole to 360': No BOP equipment required.

For drilling through 8.625" surface casing to TD:

Maximum anticipated surface pressure is <1400 psi.

Pressure control equipment shall be in accordance with BLM minimum standards for 2000 psi equiment.

A casing head with an 11", 3000 psi flange will be screwed or welded onto the 8.625" surface casing.

BOP stack will consist of a double gate and annular preventer. The double gate will be equipped with pipe rams on bottom and blind rams on top. The choke and kill lines will be connected to outlets between the bottom and top rams, utilizing either the ram body outlet or a drilling spool with side outlets. The BOP stack will be 9" or 11" bore, 2000 or 3000 psi working pressure. The choke and kill lines will be 2" or 3" bore, 2000 or 3000 psi working pressure. Please refer to attached schematics.

A rotating head may be used while drilling below surface casing for control of gas cut mud.

Test procedure and frequency shall be in accordance with BLM minimum standards for 2000 psi equipment.

4. SUPPLEMENTAL DRILLING EQUIPMENT AND CASING INFORMATION:

Casing Information:

Casing	Conn.	New/ Used	Stage Tool	Centralizers
8.625"	STC	New	No	10' above shoe, on 1st and 3rd collars.
5.500"	STC	New	No	10' above shoe, every other collar to top of pay (±4050'),

Cement Information:

Casing	Cement
8.625"	Oilfield type cement circulated in. Class "A" single slurry mixed to 15.6 ppg, yield = 1.19 cf/sx. Fill to surface with 225 cf (190 sx) calculated. Tail plug used. Allowed to set under pressure.
5.500"	Lead/Tail oilfield type cement circulated in. Tail slurry: 50/50 Class H/Pozzolan + 2% gel + additives as required mixed to 14.1 ppg, yield = 1.23 cf/sx; or class G + 12.5 lb/sx gilsonite + additives as required mixed to 14.8 ppg, yield =

1.34. Fill to 3750' (±300' above top of pay) with 408 cf (332 sx or 305 sx).
Lead slurry: Class "A" + extender + additives mixed to 11.0 ppg, yield = 3.82 cf/sx. Fill to surface with 1132 cf (296 sx).
Tail plug used. Allowed to set under pressure.

Drilling Equipment:

Surface hole will be drilled and surface casing set with small rotary surface hole rig.

A rotating head may be used while drilling below surface casing for control of gas cut mud.

5. CIRCULATING MEDIUM, MUD TYPE, MINIMUM QUANTITIES OF WEIGHT MATERIAL, AND MONITORING EQUIPMENT:

Surface hole will be drilled with air, air/mist, foam, or mud depending on hole conditions. Drilling below surface casing will be with water based drilling fluids consisting primarily of fresh water, bentonite, lignite, caustic, lime, soda ash, and polymers. No chromates will be used. It is not intended to use oil in the mud, however, in the event it is used, oil concentration will be less than 4% by volume. Maximum anticipated mud weight is ±9.5 ppg.

No minimum quantity of weight material will be required to be kept on location.

PVT/Flow Show will be used from base of surface casing to TD.

Gas detector will be used from 3500' (depth mud loggers on) to TD.

6. ANTICIPATED TYPE AND AMOUNT OF TESTING, LOGGING, AND CORING:

Logging:

Mud logging:	~3500' to TD.
Dual Induction/SP/GR:	TD-Surface casing shoe
Density/Neutron/GR with XY caliper:	TD-3500'
Sonic/GR with caliper	TD-Surface casing shoe.
MIR tool:	TD-3500'

RED WASH UNIT #307 - EIGHT POINT DRILLING PLAN

Coring:

None planned.

Testing:

Possible DST in lower Green River Fm. at wellsite geologist's discretion.

7. EXPECTED BOTTOM HOLE PRESSURE AND ANY ANTICIPATED ABNORMAL PRESSURE, TEMPERATURES, OR OTHER HAZARDS (H_2S, STEAM, ETC.) AND ASSOCIATED CONTINGENCY PLANS:

Normal pressure gradient to top of Green River Fm. Some slightly pressured (0.47 psi/ft.) gas zones within the Green River Fm. may exist, although possible pressure depleted intervals (0.37 psi/ft.) from 4082' to 5382' are viewed as greater hazards. All sands typically tight - drill underbalanced with water or unweighted mud.

Maximum expected BHP @ 5532': ~2600 psi (0.47 psi/ft.).
Maximum expected BHT @ 5532': ~135° F.

No other abnormal hazards are anticipated and no contingency plans are required.

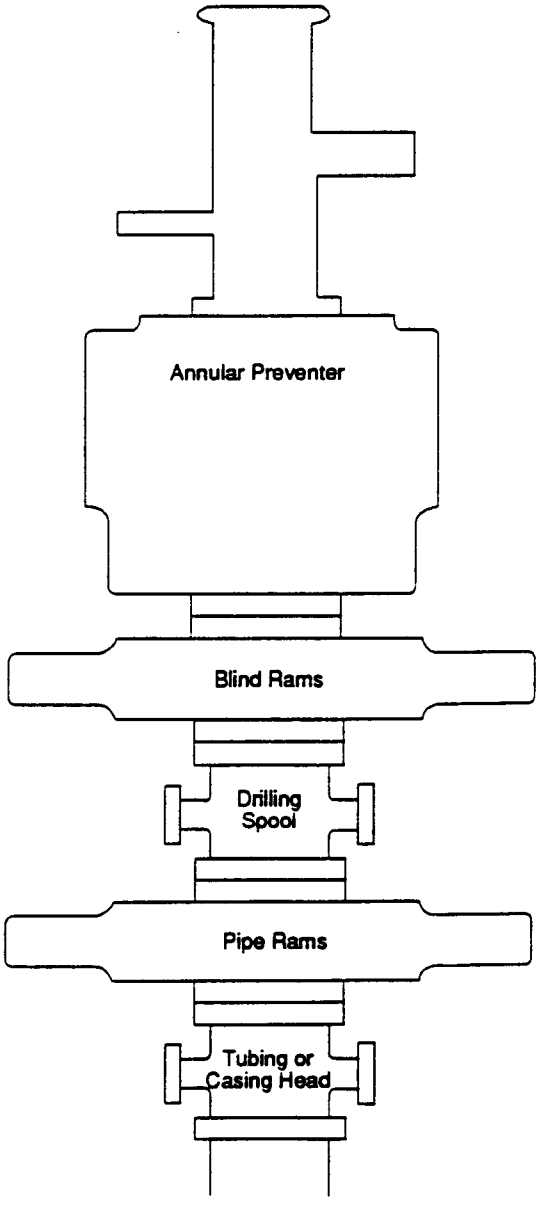
8. OTHER:

None.

E. CLASS III BLOWOUT PREVENTER STACK:

The Class III preventer stack is designed for drilling or workover operations. It is composed of a single hydraulically operated annular preventer on top, then a blind ram preventer, a drilling spool, and a single pipe ram preventer on bottom. The choke and kill lines are installed onto the drilling spool and must have a minimum internal diameter of 2". All side outlets on the preventers or drilling spool must be flanged, studded, or clamped. An emergency kill line may be installed on the wellhead. A double ram preventer should only be used when space limitations make it necessary to remove the drilling spool. In these instances, the choke manifold should be connected to a flanged outlet between the preventer rams only. In this hookup, the pipe rams are considered master rams only, and cannot be used to routinely circulate out a kick. The Class III blowout preventer stack is shown to the right in Figure 11J.4.

Figure 11J.4
Class III Blowout Preventer Stack



D. CLASS III CHOKE MANIFOLD

The Class III choke manifold is suitable for Class III workovers and drilling operations. The Standard Class III choke manifold is shown in Figure 11J.8 below. Specific design features of the Class III manifold include:

1. The manifold is attached to a drilling spool or the top ram preventer side outlet.

2. The minimun internal diameter is 2" (nominal) for outlets, flanges, valves and lines.

3. Includes two steel gate valves in the choke line at the drilling spool outlet. The inside choke line valve may be remotely controlled (HCR).

4. Includes two manually adjustable chokes which are installed on both side of the manifold cross. Steel isolation gate valves are installed between both chokes and the cross, and also downstream of both chokes.

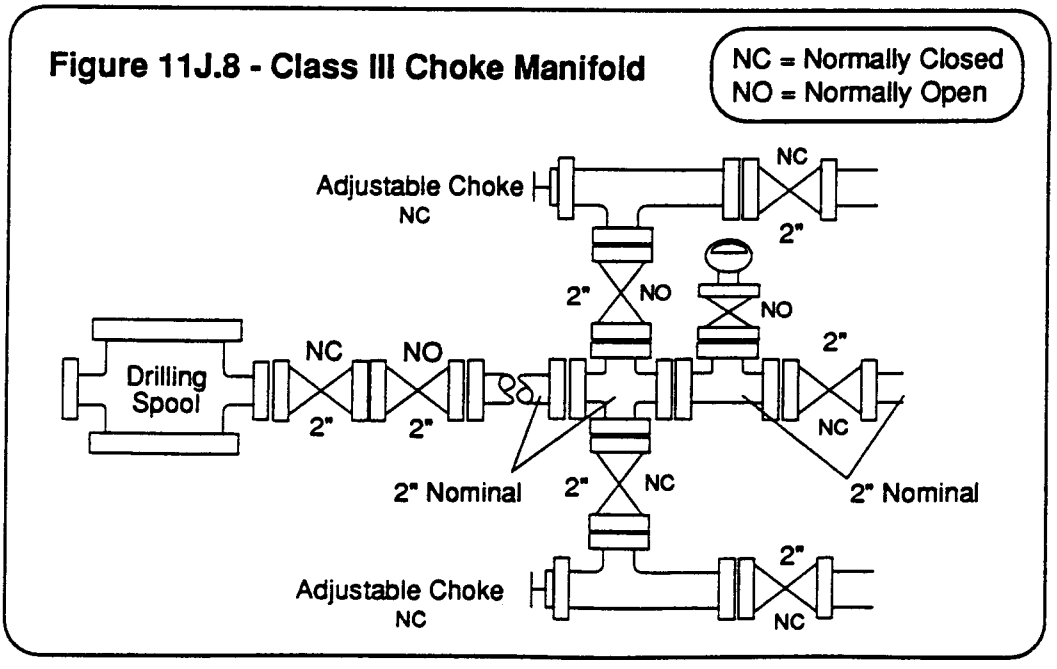
5. Includes a blooey line which runs straight through the cross and is isolated by a steel gate valve.

6. Includes a valve isolated pressure gauge suitable for drilling service which can display the casing pressure within view of the choke operator.

7. Returns through the choke manifold must be divertible through a mud-gas seperator and then be routed to either the shale shaker or the reserve pit through a buffer tank or manifold arrangement.

8. If the choke manifold is remote from the wellhead, a third master valve should be installed immediately upstream of the manifold cross.

Figure 11J.8 - Class III Choke Manifold



D. TYPE "B" KILL LINE — CLASS III, IV , AND V WELLS

The type B kill line described below in Figure 11J.11 is the minimum recommended hookup for installation on all Class III, Class IV and Class V wells. Specific design features of the type B kill line include:

1. The preferred kill line connection to the well is at the drilling spool, however, a preventer side outlet may be used when space restrictions exclude the use of a drilling spool. In all cases, the kill line must be installed below the uppermost blind rams so the well can be pumped into with no pipe in the hole.

2 The arrangement includes two - 2" (nominal) gate valves installed at the drilling spool and an upstream fluid cross. The outside valve may be hydraulically remote controlled.

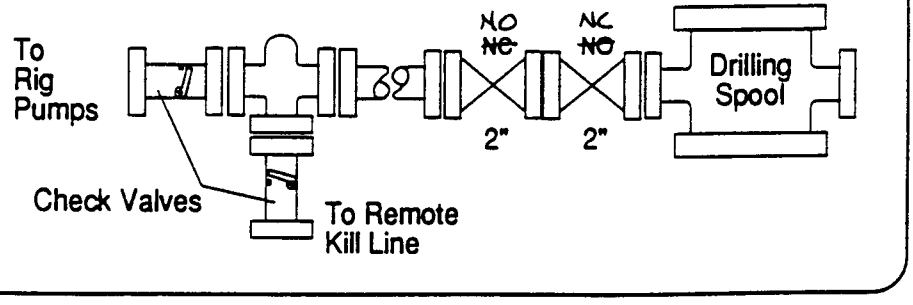
3. Two pump-in lines should be attached to the fluid cross. The **primary kill line** should be routed to the rig standpipe where it can be manifolded to the rig pumps. The **remote kill line** should be run to a safe location away from the rig or to the rig cementing unit. The remote kill line should have a loose end connection for rigging-up a high pressure pumping unit.

4. Both the primary kill line and the remote kill line must include a 2" check valve which is in working condition while drilling. If a check valve is crippled for testing purposes, the flapper or ball must be re-installed and tested before drilling resumes.

5. The primary kill line must include a pressure gauge which can display the pump-in pressure on the rig floor.

6. Any lines which are installed at the wellhead are designated as "**emergency kill lines**" and should only be used if the primary and remote kill lines are inoperable.

Figure 11J.11 - Type "B" Kill Line



United States Department of the Interior
Bureau of Land Management
Vernal District Office
170 South 500 West
Vernal, UT 84078

SELF-CERTIFICATION STATEMENT

Be advised that Chevron USA Production Company is considered to be the operator of Red Wash Unit #307, SWSW-Sec.16-T7S-R24E, Uintah County, Utah, and is responsible under the terms and conditions of the lease for the operations conducted on the leased lands.

Bond coverage for this well is provided by Nationwide Bond #U-89-75-81-34 (Standard Oil Co. of California and its wholly owned subsidiary Chevron USA Production Co., as co-principals) via surety consent as provided for in 43 CFR 3104.2.

Sincerely,

J. T. Conley
Red Wash Area Team Leader

DATE: 12-19-94

CHEVRON USA PRODUCTION CO.

RED WASH UNIT #307
1137' FSL & 1135' FWL
SWSW-S16-T7S-R24E, SLB&M
UINTAH COUNTY, UTAH

THIRTEEN POINT SURFACE USE PLAN

1. EXISTING ROADS:

A. See Topographic Map A. There are no plans to change, alter or improve upon any existing state or county road.

B. See Topographic Map A. Travel east from Vernal on U.S. Highway 40 to the intersection with Utah State Highway 45. Turn south on Utah State 45 and proceed 20.7 miles to the Red Wash Oil and Gas Field road. Turn east and proceed 4.7 miles to existing lease road past water tank. Turn south and proceed a total of 2.4 miles on existing lease road. Turn north on existing road and proceed 0.4 miles to proposed access road.

2. ACCESS ROADS TO BE CONSTRUCTED OR RECONSTRUCTED:

See Topographic Maps A and B. The access road and location site are on State and Federal lands. A new access road of approximately 400 feet to the location will be constructed.

3. LOCATION OF EXISTING WELLS WITHIN ONE MILE:

See Topographic Map B.

4. LOCATION OF EXISTING OR PROPOSED FACILITIES IF WELL IS PRODUCTIVE:

A. See Topographic Map C.

B. Gas dehydration and metering equipment will be installed onsite following completion of the new wellbore. No blooie pit will be constructed, as a tank will be installed in its place.

C. A gas pipeline approximately 3400' in length will be constructed to connect the well to a line proposed for RWU #317, which will in turn connect with the existing gas gathering system. The pipeline will be located north and east of existing roads and serve as a pipeline right of way only.

D. Disturbed areas no longer needed for operations will be graded back to as near original state as possible. Drainage channels will be returned to original state and the areas will be reseeded as prescribed by the BLM and State of Utah.

5. LOCATION AND TYPE OF WATER SUPPLY:

Red Wash Unit fresh water supply, Application #A17791, Water Right Number 49-2153. Water will be picked up at water tank shown on Topographic Map A, ~2.8 miles from wellsite on proposed access route.

Transportation of water shall be by tank truck.

6. CONSTRUCTION MATERIALS:

Native dirt and gravel will be used as construction materials.

7. METHODS FOR HANDLING WASTE DISPOSAL:

A. A closed mud system is planned, requiring a trench for the reserve tank.

B. Excess reserve pit fluid will be disposed of via haul-off to a commercial disposal facility.

C. Drill cuttings will be caught and settled in the reserve tank and buried when the trench is backfilled.

D. Commercial service will provide portable toilets and haul-off to a commercial disposal facility.

E. Trash will be stored in trash containers and hauled to commercial or municipal facility for disposal.

F. It is not anticipated that any salt or chemicals will need to be disposed of. If required, disposal will be by commercial disposal facility.

G. In the event fluids are produced, any gas and associated condensate will be flared over the flare pit while testing. Any produced water will be caught in the flare pit and transferred to Red Wash Central Battery for use in the waterflood system. Depending on the nature of completion/stimulation fluids, these will be caught in the flare pit and disposed of via use in the waterflood system, evaporation or haul-off to a commercial disposal facility.

H. Hazardous chemicals 10,000lb. of which will most likely be used, produced, stored, transported or disposed of in association with the proposed action of drilling, completing and producing this well: We anticipate that none of the hazardous chemicals in quantities of 10,000 lb. or more will be associated with these operations.

I. Extremely hazardous substances threshold quantities of which will be used, produced, stored, transported or disposed of in association with the proposed action of drilling, completing and producing this well: We anticipate that none of the extremely hazardous substances in threshold quantities per 40 CFR 355 will be associated with these operations.

8. ANCILLARY FACILITIES:

None.

9. WELLSITE LAYOUT:

A. See Figures 1 and 2. A closed mud system is planned. In the event that a closed mud system is not available, a reserve pit will be constructed as shown. The reserve pit will be lined if required.

B. Burn pit will not be lined.

C. Access to the well pad will be as shown on Topographic Map B.

10. PLAN FOR RESTORATION OF SURFACE:

A. All surface areas not required for production operations will be graded to as near original condition as possible and contoured to maintain possible erosion to a minimum. Any rock encountered in excavation will be disposed of beneath backfill to return surface to its present appearance and provide soil for seed growth.

B. The topsoil will be evenly distributed over the disturbed areas. Reseeding will be performed as directed by the BLM and State of Utah.

C. Pits that would present a hazard to wildlife or livestock will be backfilled when the rig is released and removed.

D. Completion of the well is planned during 1995. Rehabilitation will commence following completion of the well. If the wellsite is to be abandoned, all disturbed areas will be recontoured to the natural contour as soon as possible.

11. SURFACE OWNERSHIP:

The wellsite, access roads and flowlines are on State and Federal land. The operator shall contact the State of Utah at (801) 538-5340 and BLM office at (801) 789-1362 between 24 and 48 hours prior to construction activities.

12. OTHER INFORMATION:

A. The well is located in hilly and sandy terrain. Vegetation consists of sagebrush and natural grasses around the location. The soil is a poorly developed, semi-arid, thin topsoil layer over the Uintah Formation.

B. Surface use activities other than the oil and gas well facilities consist of grazing.

C. There are no occupied dwellings near the wellsite.

D. Archeological clearnce has been recommended per Senco-Phenix Report SP-UT-160e, dated 11/17/94 (U94SC682bs).

RWU #307 - THIRTEEN POINT SURFACE USE PLAN

13. COMPANY REPRESENTATIVE:

Mr. J. T. Conley
11002 East 17500 South
Vernal, UT 84078
(801) 781-4301

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by Chevron USA Production Co., Inc. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

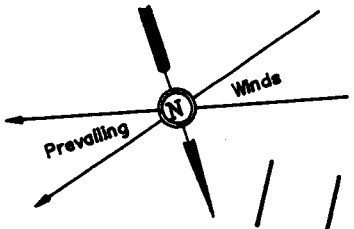
12-19-94
Date

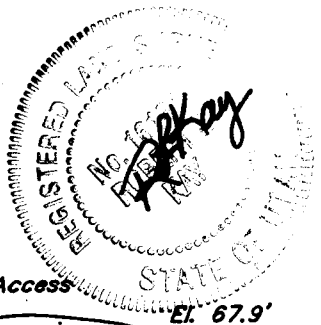
J. T. Conley
Red Wash Area Team Leader

CHEVRON USA., INC.

LOCATION LAYOUT FOR

RED WASH UNIT #307
SECTION 16, T7S, R24E, S.L.B.&M.
1137' FSL 1135' FWL





SCALE: 1" = 50'
DATE: 11-15-94
Drawn By: C.B.T.

F-2.3'
El. 65.6'

F-2.4'
El. 65.5'

Proposed Access Road

El. 67.9'
GRADE

Sta. 3+40

Existing Road

Reserve Pit Backfill & Spoils Stockpile

Topsoil Stockpile

NOTE:
FLARE PIT IS TO BE LOCATED A MINIMUM OF 100' FROM THE WELL HEAD.

Flare Pit

DATA

CATWALK

PIPE RACKS

El. 70.7'
C-2.8'

C-1.7'
El. 69.6'

El. 71.8'
C-11.9'
(Btm. Pit)

DOG HOUSE

RIG

Sta. 1+70

APPROX. TOP OF CUT SLOPE

MUD TANKS

WATER

TRAILER

El. 65.7'
F-2.2'

RESERVE PIT
8' DEEP

PIT CAPACITY WITH 2' OF FREEBOARD = 10,790 Bbls.

PUMP

MUD SHED

TOILET

HOPPER

FUEL

APPROX. TOE OF FILL SLOPE

POWER

TOOLS

TRASH

FUEL

STORAGE TANK

El. 69.1'
C-1.1'

Sta. 0+22

Sta. 0+00

El. 72.1'
C-12.2'
(Btm. Pit)

C-1.2'
El. 69.0'

F-0.6'
El. 67.3'

El. 63.4'
F-4.5'

FIGURE #1

Elev. Ungraded Ground at Location Stake = 5769.6'

Elev. Graded Ground at Location Stake = 5767.9'

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East • Vernal, Utah 84078 • (801) 789-1017

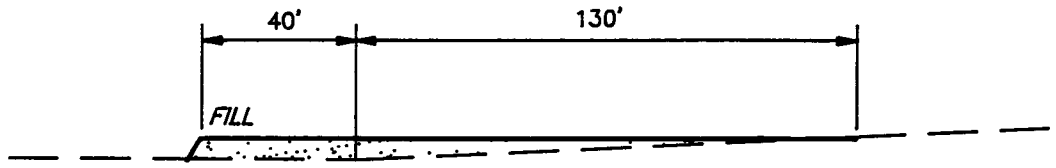
CHEVRON USA., INC.

TYPICAL CROSS SECTIONS FOR

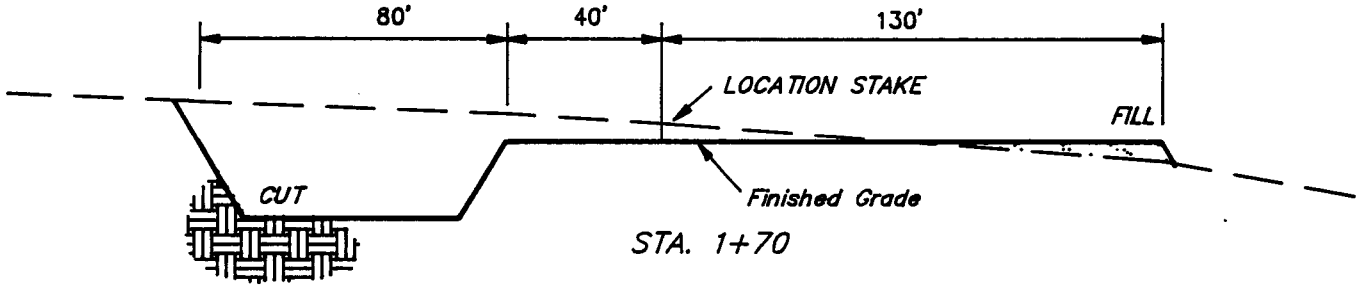
RED WASH UNIT #307
SECTION 16, T7S, R24E, S.L.B.&M.
1137' FSL 1135' FWL

1" = 20' X-Section Scale
1" = 50'

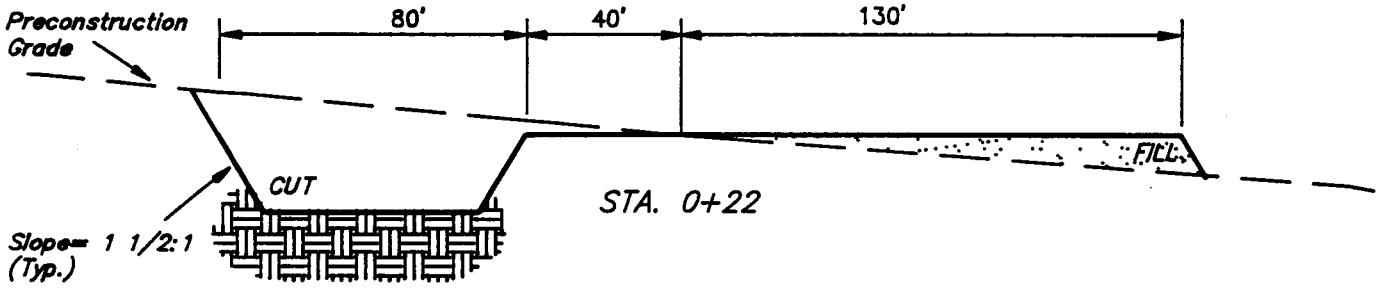
DATE: 11-15-94
Drawn By: C.B.T.



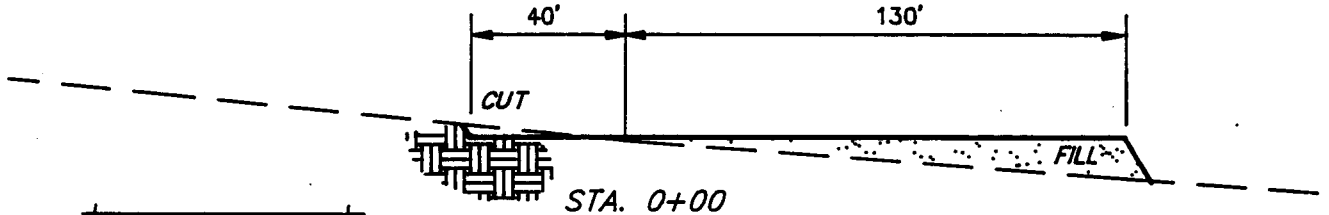
STA. 3+40



STA. 1+70



STA. 0+22



STA. 0+00

FIGURE #2

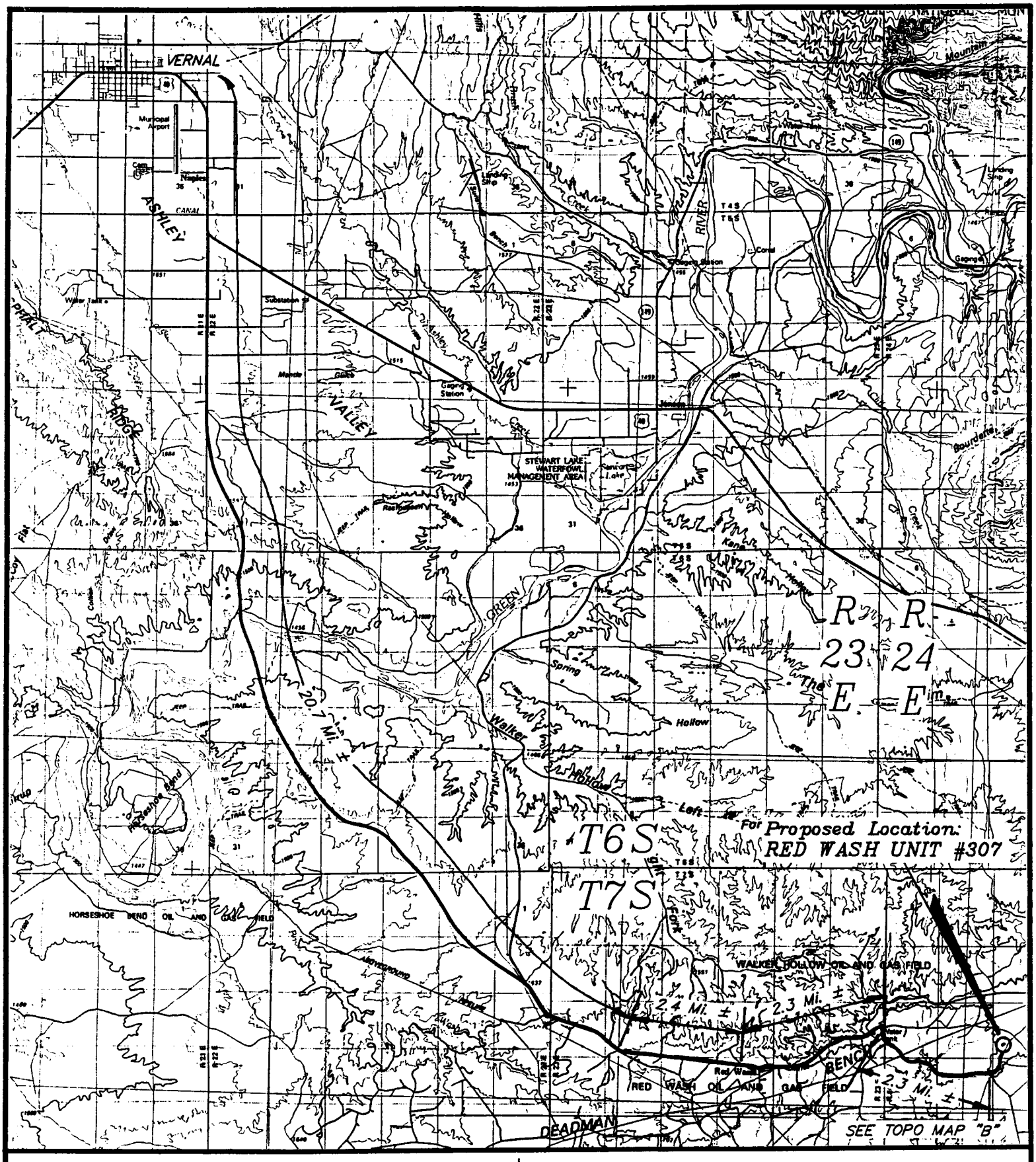
APPROXIMATE YARDAGES

CUT

(6") Topsoil Stripping	=	1,320 Cu. Yds.
Remaining Location	=	5,060 Cu. Yds.
TOTAL CUT	=	6,380 CU.YDS.
FILL	=	3,290 CU.YDS.

EXCESS MATERIAL AFTER 5% COMPACTION	=	2,920 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	=	2,920 Cu. Yds.
EXCESS CUT MATERIAL	=	0 Cu. Yds.

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (801) 789-1017



T O P O G R A P H I C

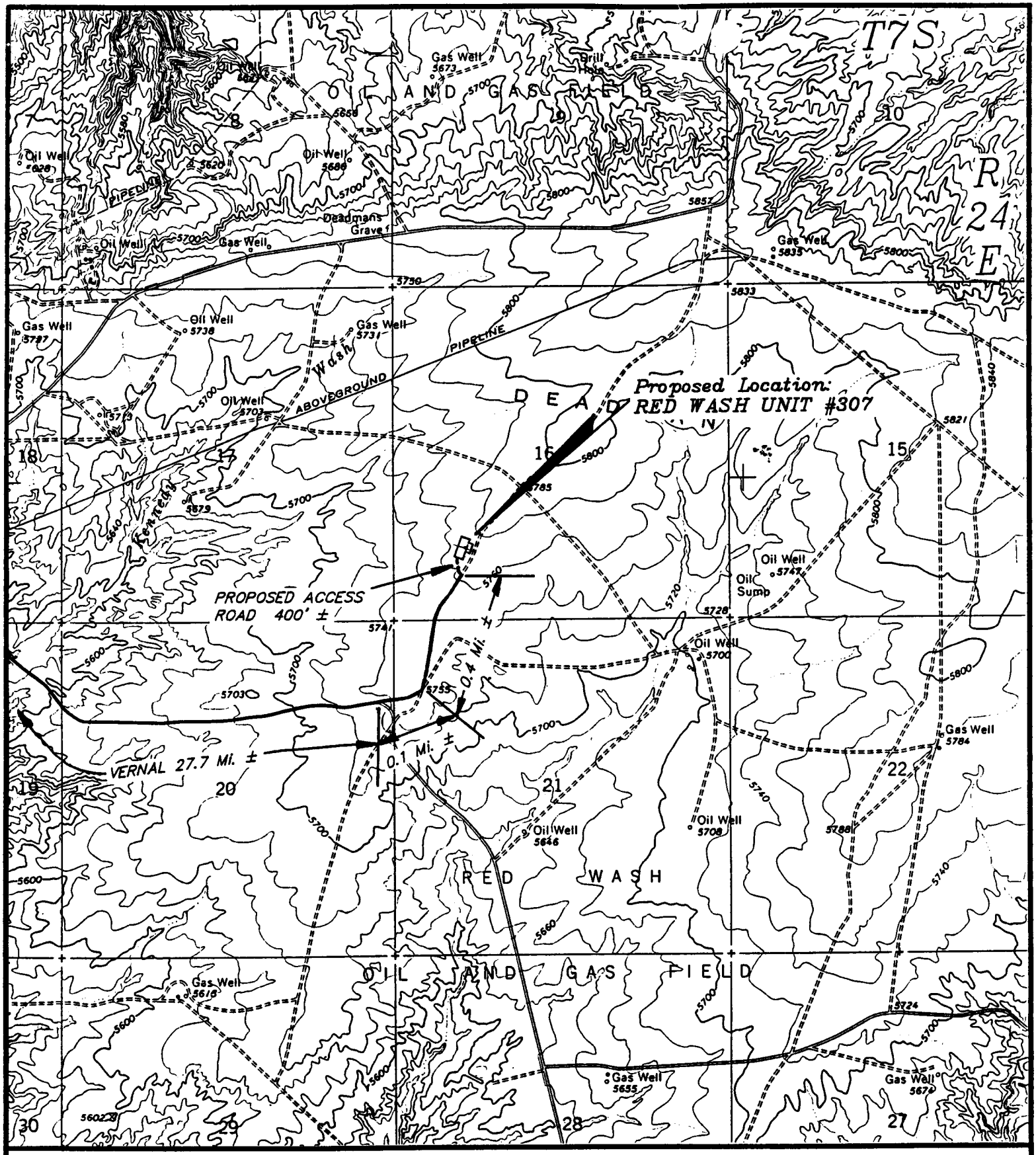
M A P "A"

DATE: 11-2-94 J.D.S.

N

CHEVRON U.S.A. INC.

RED WASH UNIT #307
SECTION 16, T7S, R24E, S.L.B.&M.
1137' FSL 1135' FWL



TOPOGRAPHIC

MAP "B"

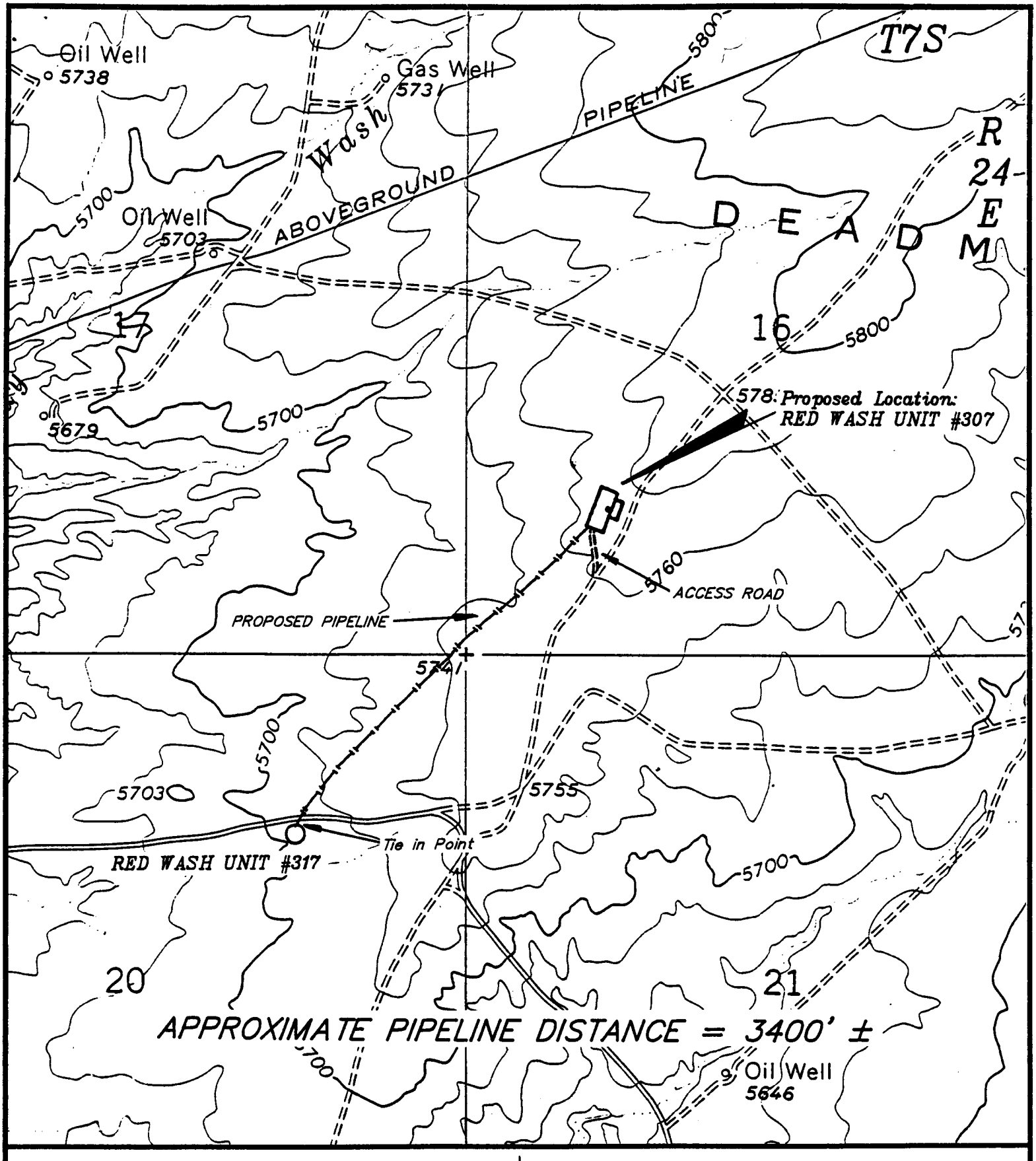
SCALE: 1" = 2000'

DATE: 11-2-94 J.D.S.

N

CHEVRON U.S.A. INC.

RED WASH UNIT #307
SECTION 16, T7S, R24E, S.L.B.&M.
1137' FSL 1135' FWL



TOPOGRAPHIC MAP "C"

LEGEND:

EXISTING PIPELINE

Proposed Pipeline

N

CHEVRON U.S.A. INC.

RED WASH UNIT #307
SECTION 16, T7S, R24E, S.L.B.&M.

DATE: 11-1-94 J.D.S.

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 12/21/94

API NO. ASSIGNED: 43-047-32632

WELL NAME: RED WASH #307
OPERATOR: CHEVRON USA PRODUCTION (N0210)

PROPOSED LOCATION:
SWSW 16 - T07S - R24E
SURFACE: 1137-FSL-1135-FWL
BOTTOM: 1137-FSL-1135-FWL
UINTAH COUNTY
RED WASH FIELD (665)

LEASE TYPE: STA
LEASE NUMBER: ML-3042

PROPOSED PRODUCING FORMATION: GRRV

INSPECT LOCATION BY: / /		
TECH REVIEW	Initials	Date
Engineering	[illegible]	1/17/95
Geology	[illegible]	rec. 1-5-95 rcv. 1-6-95
Surface	DH	12/29/94

RECEIVED AND/OR REVIEWED:

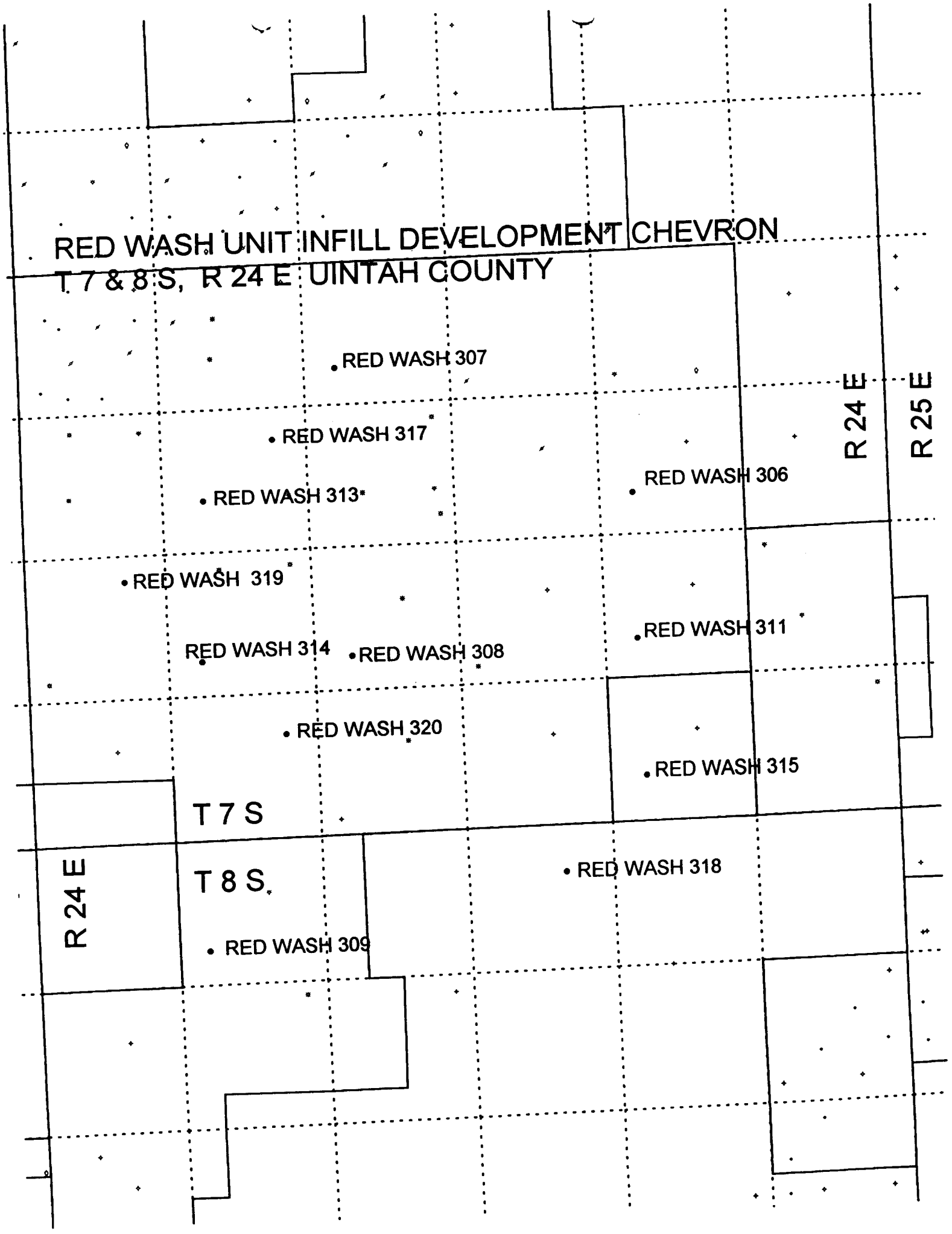
Y Plat
Y Bond: Federal[ ] State[~~Y~~] Fee[ ]
(Number 4-89-75-81-34)
N Potash (Y/N)
N Oil shale (Y/N)
Y Water permit
(Number 49-2153)
N RDCC Review (Y/N)
(Date:)

LOCATION AND SITING:

✓ R649-2-3. Unit: UTU63010X
___ R649-3-2. General.
___ R649-3-3. Exception.
___ Drilling Unit.
Board Cause no:
Date:

COMMENTS:

STIPULATIONS: 1. The Reserve pit shall be on east side of location.. located


RED WASH UNIT INFILL DEVELOPMENT CHEVRON
T 7 & 8 S, R 24 E UINTAH COUNTY
RED WASH 307
RED WASH 317
RED WASH 313
RED WASH 306
RED WASH 319
RED WASH 311
RED WASH 314
RED WASH 308
RED WASH 320
RED WASH 315
T 7 S
T 8 S
R 24 E
R 24 E
R 25 E
RED WASH 318
RED WASH 309

DRILLING LOCATION ASSESSMENT

State of Utah
Division of Oil, Gas and Mining

OPERATOR: CHEVRON USA PRODUCTION CO. INC. NAME: #307
SECTION: 16 TWP: 7S RNG: 24E LOC: 1137' FSL 1135' FWL
QTR/QTR SW/SW COUNTY: UINTAH FIELD: RED WASH
SURFACE OWNER: STATE OF UTAH
SURFACE AGREEMENT: AS PER STATE LANDS
SPACING: 1135' F SECTION LINE 183' F QTR/QTR LINE RED WASH UNIT
UTU 63010X
INSPECTOR: DAVID W. HACKFORD DATE AND TIME: 12/29/94 11:00 AM

PARTICIPANTS: DAVID HACKFORD (DOGM), BRENT SEXSON (CHEVRON)

REGIONAL SETTING/TOPOGRAPHY: SITE IS ON A GRADUAL SLOPE TO THE SOUTHWEST IN HILLY TERRAIN. A DRY WATERCOURSE IS LOCATED THREE QUARTERS MILE WEST.

LAND USE:

CURRENT SURFACE USE: LIVESTOCK GRAZING AND WILDLIFE USE IN THE AREA. A PORTABLE SHEEP CAMP IS PARKED 300' NORTH OF SITE.

PROPOSED SURFACE DISTURBANCE: LOCATION 340' X 250' WITH 400' ACCESS.

AFFECTED FLOODPLAINS AND/OR WETLANDS: AREA IS NOT A FLOODPLAIN BUT COULD SEE RUNOFF DURING OR AFTER RAINSTORMS.

FLORA/FAUNA: SALTBRUSH, NATIVE GRASSES, PRICKLY PEAR, SAGEBRUSH: ANTELOPE, COYOTES, RABBITS, SMALL BIRDS, RAPTORS, REPTILES, DEER.

ENVIRONMENTAL PARAMETERS

SURFACE GEOLOGY

SOIL TYPE AND CHARACTERISTICS: LIGHT BROWN SANDY LOAM.

SURFACE FORMATION & CHARACTERISTICS: UINTA FORMATION- SOUTH FLANK OF UINTA MOUNTAINS.

EROSION/SEDIMENTATION/STABILITY: VERY LITTLE EROSION. SEDIMENTATION AND STABILITY SHOULD NOT BE A PROBLEM.

PALEONTOLOGICAL POTENTIAL: NONE SITED

SUBSURFACE GEOLOGY:

OBJECTIVES/DEPTHS: LOWER GREEN RIVER AT 5532' TD.

ABNORMAL PRESSURES-HIGH AND LOW: ≤0.433 PSI/FT. BOTTOM HOLE PRESSURE EXPECTED.

CULTURAL RESOURCES/ARCHAEOLOGY: SITE HAS BEEN ARCED BY JOHN SENULEUS WITH SENCO-PHENIX CO. A REPORT SHOULD BE SENT TO DOGM.

CONSTRUCTION MATERIALS: CUT AND FILL AS NECESSARY.

SITE RECLAMATION: AS REQUIRED BY STATE LANDS. TOP SOIL IS BETTER THAN MOST IN THE AREA AND CARE SHOULD BE TAKEN TO STORE IT OFF THE EDGE OF LOCATION FOR SITE RECLAMATION.

RESERVE PIT

CHARACTERISTICS: 170' X 80' AND 8' DEEP. CAPACITY: 10790 BBLS. WITH 2' FREEBOARD.

LINING: A PLASTIC LINER WILL NOT BE NECESSARY.

MUD PROGRAM: SURFACE HOLE WILL BE DRILLED WITH AIR, AIR/MIST, OR MUD DEPENDING ON HOLE CONDITIONS. BELOW SURFACE WILL BE DRILLED WITH WATER BASE WITH GEL, LIGNITE, CAUSTIC, LIME, SODA ASH, AND POLYMERS.
DRILLING WATER SUPPLY: RED WASH UNIT FRESH WATER SUPPLY, APPLICATION #A17791, WATER RIGHT #49-2153.

OTHER OBSERVATIONS: THERE ARE NO DWELLINGS NEAR WELL SITE. CHEVRON PLANS TO DRILL WELL WITHOUT A RESERVE PIT BUT WANT IT PERMITTED IN THE EVENT THEY ARE UNABLE TO GET THE NECESSARY EQUIPMENT FOR A CLOSED SYSTEM.

STIPULATIONS FOR APD APPROVAL: RESERVE PIT PLACED ON EAST SIDE OF LOCATION.

ATTACHMENTS: PHOTOGRAPHS WILL BE PLACED ON FILE.

COMMENTS: PRE-SITE WAS DONE ON A COLD WINDY DAY. GROUND WAS OPEN WITH PATCHES OF SNOW IN SPOTS. PRE-SITE WAS REQUESTED BY BRENT SEXSON WITH CHEVRON.

STATE OF UTAH

Operator: CHEVRON USA PRODUCTION	Well Name: RED WASH 307
Project ID: 43-047-32632	Location: SEC. 16 - T07S - R24E

Design Parameters:

Mud weight (9.50 ppg) : 0.494 psi/ft
Shut in surface pressure : 2403 psi
Internal gradient (burst) : 0.059 psi/ft
Annular gradient (burst) : 0.000 psi/ft
Tensile load is determined using buoyed weight
Service rating is "Sweet"

Design Factors:

Collapse	: 1.125	
Burst	: 1.00	
8 Round	: 1.80	(J)
Buttress	: 1.60	(J)
Other	: 1.50	(J)
Body Yield	: 1.50	(B)

	Length (feet)	Size (in.)	Weight (lb/ft)	Grade	Joint	Depth (feet)	Drift (in.)	Cost
1	5,532	5.500	15.50	K-55	ST&C	5,532	4.825	

	Collapse Load (psi)	Collapse Strgth (psi)	Collapse S.F.	Burst Load (psi)	Min Int Yield Strgth (psi)	Burst S.F.	Tension Load (kips)	Tension Strgth (kips)	Tension S.F.
1	2730	4040	1.480	2730	4810	1.76	73.29	222	3.03 J

Prepared by : FRM, Salt Lake City, UT
Date : 01-17-1995
Remarks :

Minimum segment length for the 5,532 foot well is 1,000 feet.
SICP is based on the ideal gas law, a gas gravity of 0.69, and a mean gas temperature of 102°F (Surface 74°F , BHT 129°F & temp. gradient 1.000°/100 ft.)
The mud gradient and bottom hole pressures (for burst) are 0.494 psi/ft and 2,730 psi, respectively.

NOTE: The design factors used in this casing string design are as shown above. As a general guideline, Lone Star Steel recommends using minimum design factors of 1.125 - Collapse (with evacuated casing), 1.0 - Burst, 1.8 - 8 Round Tension, 1.6 - Buttress Tension, and 1.5 - Body Yield. Collapse strength under axial tension was calculated based on the Westcott, Dunlop and Kemler curve. Engineering responsibility for use of this design will be that of the purchaser. Costs for this design are based on a 1987 pricing model. (Version 1.06)

Michael O. Leavitt
Governor
Ted Stewart
Executive Director
James W. Carter
Division Director

State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340
801-359-3940 (Fax)
801-538-5319 (TDD)

January 17, 1995

Chevron USA Production Co., Inc.
11002 East 17500 South
Vernal, Utah 84078

Re: Red Wash #307 Well, 1137' FSL, 1135' FWL, SW SW, Sec. 16, T. 7 S., R. 24 E., Uintah County, Utah

Gentlemen:

Pursuant to Utah Code Ann. § 40-6-18, (1953, as amended), Utah Admin. R. 649-2-3, Application of Rules to Unit Agreements and R. 649-3-4, Permitting of Wells to be Drilled, Deepened or Plugged-Back, approval to drill the referenced well is hereby granted.

In addition, the following specific actions are necessary to fully comply with this approval:

1. The reserve pit shall be located on east side of the location.

2. Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules.

3. Notification to the Division within 24 hours after drilling operations commence.

4. Submittal of Entity Action Form, Form 6, within five working days following commencement of drilling operations and whenever a change in operations or interests necessitates an entity status change.

5. Submittal of the Report of Water Encountered During Drilling, Form 7.

6. Prompt notification prior to commencing operations, if necessary, to plug and abandon the well. Notify Frank R. Matthews, Petroleum Engineer, (Office) (801)538-5340, (Home) (801)476-8613, or K. Michael Hebertson, Reclamation Specialist, (Home) (801)269-9212.

7. Compliance with the requirements of Utah Admin. R. 649-3-20, Gas Flaring or Venting, if the well is completed for production.

This approval shall expire one year after date of issuance unless substantial and continuous operation is underway or a request for an extension is made prior to the approval expiration date. The API number assigned to this well is 43-047-32632.

Sincerely,

R.J. Firth
Associate Director

ldc
Enclosures
cc: Uintah County Assessor
Bureau of Land Management, Vernal District Office
WOI1

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: CHEVRON USA

Well Name: RED WASH 307

Api No. 43-047-32632

Section 16 Township 7S Range 24E County UINTAH

Drilling Contractor KENTING APOLLO

Rig # 56

SPUDDED: Date 3/7/95

Time

How DRY HOLE

Drilling will commence

Reported by KEVIN KOPP

Telephone # 1-801-790-1223

Date: 3/8/95 Signed: JLT

4-3-95

Form OGC-1B

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUBMIT IN TRIPLICATE

5. LEASE DESIGNATION AND SERIAL NO.
ML-3042

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug-back to a different reservoir.
Use "APPLICATION FOR PERMIT-" for such proposals.)

6. IF INDIAN, ALLOTTES OR TRIBE NAME

1.
OIL WELL [ ] GAS WELL [X] OTHER

7. UNIT AGREEMENT NAME
Red Wash

2. NAME OF OPERATOR
CHEVRON U.S.A. PRODUCTION CO.

8. FARM OR LEASE NAME
Red Wash

3. ADDRESS OF OPERATOR
PO BOX 4876 Attn: MARY COHLMIA
HOUSTON, TX. 77210

9. WELL NO.
#307

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface
1137' FSL, 1135' FWL
SW SW Sec. 16-T7S-R24E, SLB&M

10. FIELD AND POOL, OR WILDCAT
Red Wash/Green River

11. SEC.,T.,R.,M.,OR SLX.AND SURVEY OR AREA
Sec. 16-7S-R24E, SLB&M

14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, GR, etc.)	12. COUNTY OR PARISH	13. STATE
43-47-32632	DF= RKB= GR= 553 OTHER=	Uintah	Utah

16. **Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data**

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	[ ]	PULL OR ALTER CASING	[ ]	WATER SHUT-OFF	[ ]	REPAIRING WELL	[ ]
FRACTURE TREAT	[ ]	MULTIPLE COMPLETE	[ ]	FRACTURE TREATMENT	[ ]	ALTERING CASING	[ ]
SHOOT OR ACIDIZE	[ ]	ABANDON*	[ ]	SHOOTING OR ACIDIZING	[ ]	ABANDONMENT*	[ ]
REPAIR WELL	[ ]	CHANGE PLANS	[ ]	(Other)			[ ]
(Other)	[X] Spud		[ ]				

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled,give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

THE PURPOSE OF THIS SUNDRY IS TO REPORT THE SPUD OF THE ABOVE WELL ON MARCH 7, 1995

RECEIVED
MAR 31 1995
DIV OF OIL, GAS & MINING

CC: 3-UTOGC, 2-BLM VERNAL, 1-DRLG, RANGELY

18. I hereby certify that the foregoing is true and correct

SIGNED Mary Cohlmia TITLE DRLG TECH ASST DATE 03/24/95

(This space for State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL IF ANY

See Instructions on Reverse Side

State of Utah
Division of Oil, Gas and Mining

ENTITY ACTION FORM - FORM 6

OPERATOR ACCT. No. N0210

OPERATOR: Chevron USA Production Company
ADDRESS: 11002 East 17500 South
Vernal, Utah 84078-8526 (801)781-4300

Action Code	Current Entity No.	New Entity No.	API Number	Well Name	QQ	SC	TP	RG	County	Spud Date	Effective Date
B	99999	5670	43-047-32629	Red Wash Unit #306	NE¼SW¼	S23	T7S	R24E	Uintah	03/06/95	
WELL 1 COMMENTS: Well drilled as part of the Green River Particpating Area within the Red Wash Unit — Entities added 4-27-95. Lc											
B	99999	5670	43-047-32632	Red Wash Unit #307	SW¼SW¼	S16	T7S	R24E	Uintah	03/07/95	
WELL 2 COMMENTS: Well drilled as part of the Green River Particpating Area within the Red Wash Unit											
B	99999	5670	43-047-32627	Red Wash Unit #308	SE¼SW¼	S28	T7S	R24E	Uintah	03/16/95	
WELL 3 COMMENTS: Well drilled as part of the Green River Particpating Area within the Red Wash Unit											
B	99999	5670	43-047-32595	Red Wash Unit #312	SW¼NE¼	S34	T7S	R24E	Uintah	03/10/95	
WELL 4 COMMENTS: Well drilled as part of the Green River Particpating Area within the Red Wash Unit											
B	99999	5670	43-047-32630	Red Wash Unit #313	NE¼SW¼	S20	T7S	R24E	Uintah	04/07/95	
WELL 5 COMMENTS: Well drilled as part of the Green River Particpating Area within the Red Wash Unit											

ACTION CODES (See instructions on back of form)
- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entitty
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected

(3/89)

RECEIVED
APR 27 1995
DIVISION OF
OIL, GAS & MINING

Signature

Asset Team Leader
Title

4-24-95
Date

Phone No. (801) 781-4300

State of Utah
Division of Oil, Gas and Mining

ENTITY ACTION FORM - FORM 6

OPERATOR ACCT. No. N0210

OPERATOR: Chevron USA Production Company
ADDRESS: 11002 East 17500 South
Vernal, Utah 84078-8526 (801)781-4300

Action Code	Current Entity No.	New Entity No.	API Number	Well Name	QQ	SC	TP	RG	County	Spud Date	Effective Date
B	99999	5670	43-047-32626	Red Wash Unit #314	SE¼SW¼	S29	T7S	R24E	Uintah	04/08/95	

WELL 1 COMMENTS:
Well drilled as part of the Green River Participating Area within the Red Wash Unit Entities added 4-27-95. Lc

B	99999	5355	43-047-32459	Gypsum Hills Unit #11	NW¼SE¼	S20	T8S	R21E	Uintah	03/19/95	

WELL 2 COMMENTS:
Well will be drilled as a unit well for production as part of the Gypsum Hills Secondary Recovery Unit

B	99999	5355	43-047-32458	Gypsum Hills Unit #12	NE¼SE¼	S19	T8S	R21E	Uintah	03/10/95	

WELL 3 COMMENTS:
Well will be drilled as a unit well for injection as part of the Gypsum Hills Secondary Recovery Unit

B	99999	5355	43-047-32460	Gypsum Hills Unit #13	NE¼SW¼	S21	T8S	R21E	Uintah	04/10/95	

WELL 4 COMMENTS:
Well will be drilled as a unit well for production as part of the Gypsum Hills Secondary Recovery Unit

B	99999	5355	43-047-32647	Gypsum Hills Unit #14	NW¼SW¼	S20	T8S	R21E	Uintah	03/17/95	

WELL 5 COMMENTS:
Well will be drilled as a unit well for production as part of the Gypsum Hills Secondary Recovery Unit

ACTION CODES (See instructions on back of form)
- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected

(3/89)

RECEIVED
APR 27 1995
DIVISION OF
OIL, GAS & MINING

Signature

Asset Team Leader
Title

4-24-95
Date

Phone No. (801) 781-4300

State of Utah
Division of Oil, Gas and Mining

ENTITY ACTION FORM - FORM 6

OPERATOR ACCT. No. N0210

OPERATOR: Chevron USA Production Company
ADDRESS: 11002 East 17500 South
Vernal, Utah 84078-8526 (801)781-4300

Action Code	Current Entity No.	New Entity No.	API Number	Well Name	QQ	SC	TP	RG	County	Spud Date	Effective Date
B	99999	5355	43-047-32648	Gypsum Hills Unit #15	SW¼SW¼	S20	T8S	R21E	Uintah	03/20/95	

WELL 1 COMMENTS:
Well will be drilled as a unit well for production as part of the Gypsum Hills Secondary Recovery Unit Entities added 4-27-95. Lee

B	99999	5355	43-047-32649	Gypsum Hills Unit #17	SW¼SE¼	S20	T8S	R21E	Uintah	04/13/95	

WELL 2 COMMENTS:
Well will be drilled as a unit well for production as part of the Gypsum Hills Secondary Recovery Unit

B	99999	5355	43-047-32650	Gypsum Hills Unit #18	SE¼SE¼	S20	T8S	R21E	Uintah	04/12/95	

WELL 3 COMMENTS:
Well will be drilled as a unit well for production as part of the Gypsum Hills Secondary Recovery Unit

B	99999	5265	43-047-32461	WVFU #119	NW¼NW¼	S21	T8S	R21E	Uintah	03/21/95	

WELL 4 COMMENTS:
Well will be drilled as a unit well for production as part of the Wonsits Valley Federal Unit

B	99999	5265	43-047-32462	WVFU #120	NE¼NW¼	S22	T8S	R21E	Uintah	03/23/95	

WELL 5 COMMENTS:
Well will be drilled as a unit well for production as part of the Wonsits Valley Federal Unit

ACTION CODES (See instructions on back of form)
- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected

(3/89)

RECEIVED
APR 27 1995
DIVISION OF
OIL, GAS & MINING

L T Conley
Signature

Asset Team Leader
Title

4-24-95
Date

Phone No. (801) 781-4300

43-047-32632

United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Vernal District Office
170 South 500 East
Vernal, Utah 84078-2799

IN REPLY REFER TO:
2800
UTU-73612
(U-082)

MAY 9 1995

Ronald J. Firth
Division of Oil, Gas and Mining
355 West North Temple
Three Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Dear Mr. Firth:

This is in reference to State mineral lease 3042, located in Section 16 of T. 7 S., R.24 E., SLM, Utah. Chevron USA Production Company has secured a Federal right-of-way from our office for access to State well #307. We have enclosed a copy of the right-of-way document for your information and files.

We request that you notify our office of any future changes in the status of this well so that our records can be updated and the right-of-way terminated if necessary. Please reference our right-of-way serial number UTU-73612 in any future correspondence concerning this well. Should you have any questions concerning this matter, please contact me at (801) 781-4434. We thank you for your cooperation.

Sincerely,

Cindy McKee

Cindy McKee
Land Law Examiner
Vernal District Office

Enclosure:
As stated

FORM 2800-14
(August 1985)

Issuing Office
Vernal District
Book Cliffs Resource Area

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
RIGHT-OF-WAY GRANT

SERIAL NUMBER UTU-73612

---

1. A right-of-way is hereby granted pursuant to Title V of the Federal Land Policy and Management Act of 1976 (90 Stat. 2776; 43 U.S.C. 1761).

2. Nature of Interest:

   a. By this instrument, the holder:

   Chevron USA Production Company
   11002 East 17500 South
   Vernal, Utah 84078

   receives a right to use and maintain an existing road to access Red Wash Unit #307 well, OG Lease ML-3042, on public lands described as follows:

   T. 7 S., R. 24 E., SLB&M
   Sec. 20, NE¼NE¼.
   Sec. 21, NW¼NW¼.

   b. The right-of-way area granted herein is 30 feet wide, 1,900 feet long and contains 1.3 acres, more or less.

   c. This instrument shall terminate December 31, 2016, unless, prior thereto, it is relinquished, abandoned, terminated, or modified pursuant to the terms and conditions of this instrument or of any applicable Federal law or regulation.

   d. This instrument may be renewed. If renewed, the right-of-way shall be subject to the regulations existing at the time of renewal and any other terms and conditions that the authorized officer deems necessary to protect the public interest.

   e. Notwithstanding the expiration of this instrument or any renewal thereof, early relinquishment, abandonment, or termination, the provisions of this instrument, to

the extent applicable, shall continue in effect and shall be binding on the holder, its successors, or assigns, until they have fully satisfied the obligations and/or liabilities accruing herein before or on account of the expiration, or prior termination, of the grant.

3. Rental:

For and in consideration of the rights granted, the holder agrees to pay the Bureau of Land Management fair market value rental as determined by the authorized officer unless specifically exempted from such payment by regulation. Provided, however, that the rental may be adjusted by the authorized officer, whenever necessary, to reflect changes in the fair market rental value as determined by the application of sound business management principles, and so far as practicable and feasible, in accordance with comparable commercial practices. Rental payments, if applicable, should be mailed to the following address:

Bureau of Land Management
Vernal District Office
170 South 500 East
Vernal, Utah 84078

4. Terms and Conditions:

a. This grant is issued subject to the holder's compliance with all applicable regulations contained in Title 43 Code of Federal Regulations part 2800.

b. Upon grant termination by the authorized officer, all improvements shall be removed from the public lands within 90 days, or otherwise disposed of as provided in paragraph (4)(c) or as directed by the authorized officer.

c. The stipulations, plans, maps, or designs set forth in Exhibit "A", dated April 26, 1995, attached hereto, are incorporated into and made a part of this grant instrument as fully and effectively as if they were set forth herein in their entirety.

d. Failure of the holder to comply with applicable law or any provision of this right-of-way grant shall constitute grounds for suspension or termination thereof.

e. The holder shall perform all operations in a good and workmanlike manner so as to ensure protection of the

environment and the health and safety of the public.

f. The holder shall construct, operate, and maintain the facilities, improvements, and structures within this right-of-way in strict conformity with the application

submitted on April 19, 1995. Any relocation, additional construction, or use that is not in accord with the approved plan of development shall not be initiated without the prior written approval of the authorized officer. Noncompliance with the above will be grounds for an immediate temporary suspension of activities if it constitutes a threat to public health and safety or the environment.

IN WITNESS WHEREOF, The undersigned agrees to the terms and conditions of this right-of-way grant.

L T Pelley for Chevron USA Production Co.
(Signature of Holder)

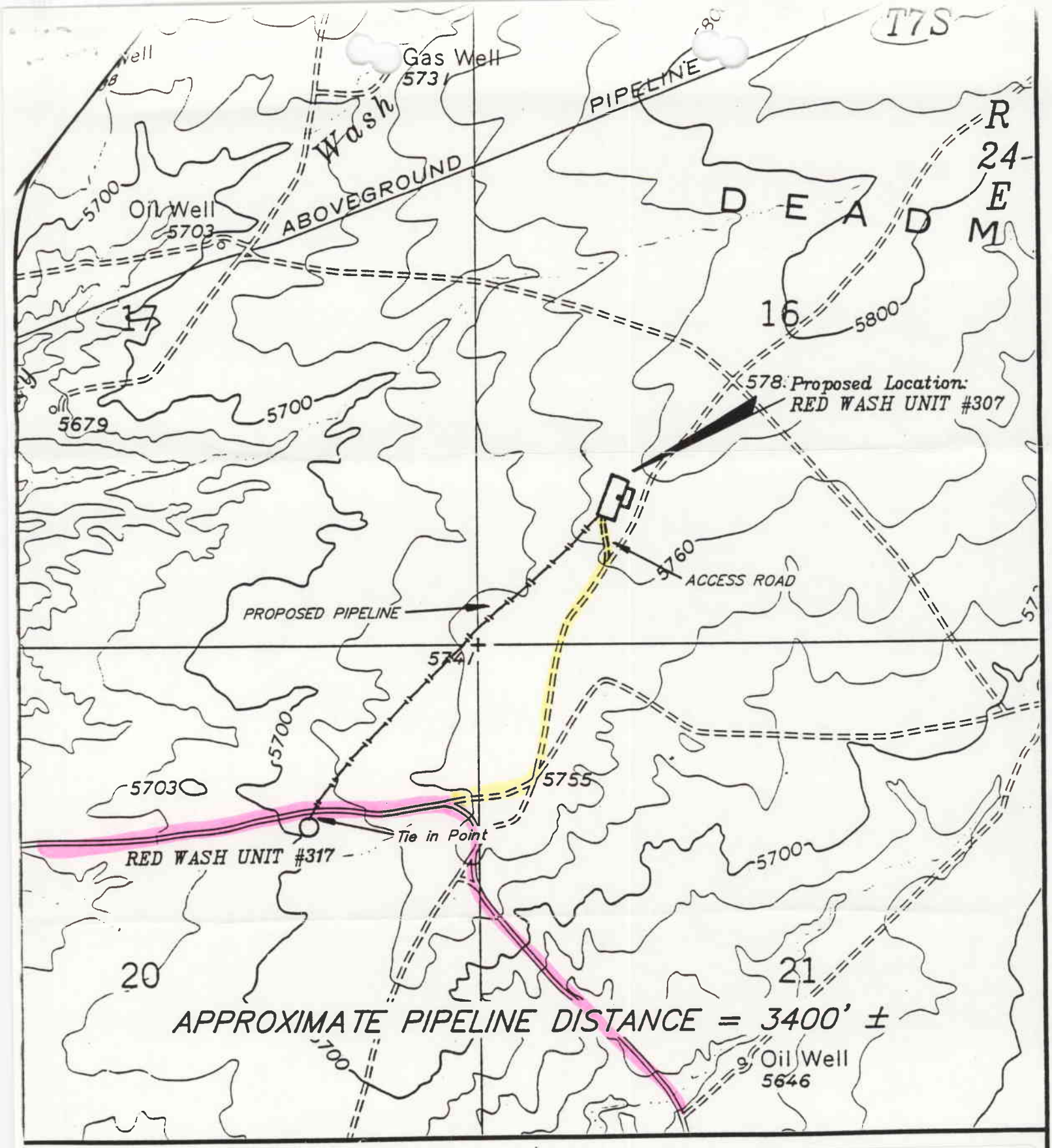
Asset Team Leader
(Title)

5-1-95
(Date)

Edward E. Wells
(Signature of Authorized Officer)

Area Manager,
Book Cliffs Resource Area
(Title)

5/4/95
(Effective Date of Grant)



TOPOGRAPHIC MAP "C"

LEGEND:

EXISTING PIPELINE

Proposed Pipeline

UTU-73612 April 27, 1995

Right-of-Way Road

BLM Maintained Road

T. 7 S., R. 24 E., SLM, Utah
Sec. 20, 21.

EXHIBIT 'A'

Form OGC-1B

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

RECEIVED
MAY 22 1995
DIV. OF OIL, GAS & MINING

SUBMIT IN TRIPLICATE

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug-back to a different reservoir.
Use "APPLICATION FOR PERMIT-" for such proposals.)

5. LEASE DESIGNATION AND SERIAL NO.: ML-3042

6. IF INDIAN, ALLOTTES OR TRIBE NAME:

1. OIL WELL [ ] GAS WELL [X] OTHER

7. UNIT AGREEMENT NAME: Red Wash

2. NAME OF OPERATOR: CHEVRON U.S.A. PRODUCTION CO.

8. FARM OR LEASE NAME: Red Wash

3. ADDRESS OF OPERATOR: PO BOX 4876 HOUSTON, TX. 77210 Attn: MARY COHLMIA

9. WELL NO.: #307

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface
1137' FSL, 1135' FWL
SW SW Sec. 16-T7S-R24E, SLB&M

10. FIELD AND POOL, OR WILDCAT: Red Wash/Green River

11. SEC.,T.,R.,M.,OR SLX.AND SURVEY OR AREA: Sec. 16-7S-R24E, SLB&M

14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, GR, etc.)	12. COUNTY OR PARISH	13. STATE
43-47-32632	DF= RKB= GR= 553 OTHER=	Uintah	Utah

16. **Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data**

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	[ ]	PULL OR ALTER CASING	[ ]	WATER SHUT-OFF	[ ]	REPAIRING WELL	[ ]
FRACTURE TREAT	[ ]	MULTIPLE COMPLETE	[ ]	FRACTURE TREATMENT	[ ]	ALTERING CASING	[X]
SHOOT OR ACIDIZE	[ ]	ABANDON*	[ ]	SHOOTING OR ACIDIZING	[ ]	ABANDONMENT*	[ ]
REPAIR WELL	[ ]	CHANGE PLANS	[ ]	(Other)			[ ]
(Other)	[ ] Spud		[ ]	(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled,give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

THE PURPOSE OF THIS SUNDRY IS TO REPORT THE CHANGES FROM THE ORIGINAL APD.

1. **6-1/2" HOLE SIZE**
2. **CASING - 4-1/2", 10.5#, K-55 STC.**
3. **CEMENT - TOTAL QUANTITY OF CEMENT USED IS 315 SXS. TAIL SLURRY REMAINING THE SAME. FILL TO 3600' (+/-300' ABOVE TOP PAY) WITH 205 CF (165 SX OR 155 SX).**
   LEAD SLURRY REMAINING THE SAME. FILL TO SURFACE WITH 600 CF (160 SXS).

CC: 3-UTOGC, 2-BLM VERNAL, 1-DRLG, RANGELY

18. I hereby certify that the foregoing is true and correct

SIGNED Mary Cohlmia TITLE DRLG TECH ASST DATE 5/18/95

(This space for State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL IF ANY

See Instructions on Reverse Side

Form 3160-3
(December 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE* (Other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0136
Expires December 31, 1991

RECEIVED
MAY 23 1995
DIV. OF OIL, GAS & MINING

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

5. LEASE DESIGNATION AND SERIAL NO.: ML-3042

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

1a. TYPE OF WORK: DRILL [X] DEEPEN [ ]

7. UNIT AGREEMENT NAME: RED WASH

b TYPE OF WELL: OIL WELL [ ] GAS WELL [X] OTHER ____ SINGLE ZONE [ ] MULTIPLE ZONE [ ]

8. FARM OR LEASE NAME, WELL NO.: #307

2. NAME OF OPERATOR: CHEVRON USA PRODUCTION CO., INC.

9. API WELL NO.: 43-047-32632

3. ADDRESS AND TELEPHONE NO.: 11002 EAST, 17500 SOUTH, VERNAL, UT 84078-8526 (801) 781-4300

10. FIELD AND POOL, OR WILDCAT: RED WASH / GREEN RIVER

4. LOCATION OF WELL (*Report location clearly and in accordance with any State requirements)**
At surface: 1137' FSL, 1135' FWL, SWSW
At proposed prod. zone: SAME

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: SEC. 16-T7S-R24E, SLB&M

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*: 28.2 MILES FROM VERNAL, UT

12. COUNTY OR PARISH: UINTAH

13. STATE: UTAH

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any): 1135'

16. NO. OF ACRES IN LEASE: 640

17. NO. OF ACRES ASSIGNED TO THIS WELL: NA

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.: 3926'

19. PROPOSED DEPTH: 5532'

20. ROTARY OR CABLE TOOLS: ROTARY

21. ELEVATIONS (Show whether DF, RT, GR, etc.): 5770' GL

22. APPROX. DATE WORK WILL START*: 2/1/95

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8" K-55	24#	360'	190 SX.
7-7/8"	5-1/2" K-55	15.5#	5532'	628 SX.

We propose to drill for natural gas in the Green River Formation at the specified location. Enclosures:

- Certified Plat
- Self Certification Statement
- Thirteen Point Surface Use Plan With Attachments
- Eight Point Drilling Plan With Attachments

RECEIVED
DEC 22 1994

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED: LT Conley TITLE: TEAM LEADER DATE: 12-19-94

(This space for Federal or State office use)

PERMIT NO. ____ APPROVAL DATE ____

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY: ACCEPTED BY BLM FOR UNIT PURPOSES ONLY TITLE ____ DATE: MAY 15 1995

*See Instructions On Reverse Side

Div OG&M
UT080-5M0-095

AH DIVISION OF OIL, GAS AND M...

OIL AND GAS WELL INSPECTION RECORD

Operator: Chevron USA Lease Number: ML-3042

Well Name: Red Wash Unit #307 API Number: 43-047-32632

Sec: 16 Twp: 7S Rng: 24E County: Uintah Field: Red Wash

Well Status: DRL

GENERAL	Inspected (✓)
1. Well Identification	✓
2. Well Equipment	✓
3. Environmental Protection	✓
4. Temporary/Emergency Pits	✓
5. Spills, Discharges, Seepage	✓
well sign correct and posted. Wellhead, mud cross, with flanged caps. Unlined reserve pit w/ 1000 barrels fluid present.	

OIL PRODUCTION	Inspected (✓)
1. Method of Measurement: Tank Gauge ☐ LACT Unit ☐ Other ☐	✓
2. Storage Facilities	✓
3. Lines Leaving Storage Facilities Sealed/Locked	✓
4. Oil Handling/Treatment Equipment	✓
No tanks. Surface casing was set and cemented without notification.	

GAS PRODUCTION	Inspected (✓)
1. Type of Gas Production: Gas Well ☐ Casinghead ☐	✓
2. Gas Disposition: Sold ☐ Flared/Vented ☐ Used on Lease ☐ Other ☐	✓
3. Method of Measurement: Orifice Meter ☐ Turbine Meter ☐ Estimated ☐ Other ☐	✓
4. Gas Handling/Treatment Equipment	✓
No equipment. Well has been drilled and production pipe set but has not been completed.	

PRODUCED WATER DISPOSAL	Inspected (✓)
1. Disposal Method: Unlined Pit ☐ Lined Pit ☐ Subsurface ☐ Other ☐	✓
2. If Disposal by Pits, Are Pits Satisfactory? Yes ☐ No ☐	✓
3. Other E & P Waste Disposal	✓
No disposal	

Inspector: David W. Hackford Date: 6/6/95

3/94

FORM 3

STATE OF UTAH

DIVISION OF OIL, GAS AND MINING

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1 a. TYPE OF WELL: OIL WELL [ ] GAS WELL [X] DRY [ ] Other

b. TYPE OF COMPLETION: NEW WELL [X] WORK OVER [ ] DEEP-EN [ ] PLUG BACK [ ] DIFF. RESVR. [ ] Other

2. NAME OF OPERATOR
CHEVRON U.S.A. PRODUCTION COMPANY

3. ADDRESS OF OPERATOR
11002 E. 17500 S. VERNAL, UT 84078-8526

4. LOCATION OF WELL *(Report location clearly and in accordance with any State requirements)*
At surface 1137' FSL, 1135' FWL
At top prod. interval reported below
At total depth

RECEIVED
JUN 30 1995
DIV. OF OIL, GAS & MINING

5. LEASE DESIGNATION AND SERIAL NO.: ML-3042
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
7. UNIT AGREEMENT NAME: RED WASH UNIT
8. FARM OR LEASE NAME: RED WASH
9. WELL NO.: RWU #307
10. FIELD AND POOL, OR WILDCAT: RED WASH-GRN. RIVER
11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: SEC. 16, T7S/R24E, SLBM

14. API NO.	DATE ISSUED	12. COUNTY	13. STATE
43-047-32632	1/17/95	UINTAH	UTAH

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (Ready to prod.) or (Plug & abd.)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)	19. ELEV. CASINGHEAD
3/7/95	4/28/95	5/22/95	5782' KB	5770'

20. TOTAL DEPTH, MD & TVD	21. PLUG BACK T.D., MD & TVD	22. IF MULTIPLE COMPL. HOW MANY	23 INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
5650'	5560'	N/A	——→	X	

24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)
GREEN RIVER FORMATION 4244-5472'

25. WAS DIRECTIONAL SURVEY MADE: NO

26. TYPE ELECTRIC AND OTHER LOGS RUN
DIL, GR, SONIC, DENSITY, NEUTRON, MRIL, F.M.T., CBL, CCL
5-8-95

27. WAS WELL CORED YES [X] NO [ ] (Submit analysis)
DRILL STEM TEST YES [ ] NO [X] (See reverse side)

CASING RECORD *(Report all strings set in well)*

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8"	24#	391'	12 1/4"	210 SX. CLASS G	N/A
4 1/2"	10.5#	5644'	6 1/2"	LEAD:260 SX. HI-FILL STANDARD (11 PPG. 3.82 CUFT./SX.)	N/A
				TAIL: 350 SX. CLASS H (14.8 PPG, 1.34 CUFT./SX.)	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT	SCREEN (MD)
N/A				

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8"	5518"	N/A

31 PERFORATION RECORD *(Interval, size and number)*
4 JSPF: 4244-4247', 4250-4252', 4277-4280', 4914-4924', 5168-5175', 5193-5197', 5262-5265', 5293-5296', 5314-5317', 5324-5327', 5330-5335', 5341-5347', 5445-5461', 5463-5467', 5470-5472'

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33. PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD *(Flowing, gas lift, pumping--size and type of pump)*	WELL STATUS *(Producing or shut-in)*
		SHUT-IN

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD ——→	OIL--BBL.	GAS--MCF.	WATER--BBL.	GAS-OIL RATIO

FLOW, TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE ——→	OIL--BBL.	GAS--MCF.	WATER--BBL.	OIL GRAVITY-API (CORR.)

34. DISPOSITION OF GAS *(Sold, used for fuel, vented, etc.)*
TEST WITNESSED BY

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

SIGNED [signature] TITLE PETROLEUM ENGINEER DATE 6/28/95

See Spaces for Additional Data on Reverse Side

INSTRUCTIONS

is form should be completed in compliance with the Utah Oil and Gas Conservation General Rules. If not filed prior to this time, all logs, tests, and directional surveys a quired by Utah Rules should be attached and submitted with this report.

EM 18: Indicate which elevation is used as reference for depth measurements given in other spaces on this form and on any attachments.

EMS 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show th oducing interval, or intervals, top(s), bottom(s) and name(s) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, fo ch additional interval to be separately produced, showing the additional data pertinent to such interval.

EM 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

EM 33: Submit a separate completion report on this form for each interval to be separately produced (see instruction for items 22 and 24 above).

. SUMMARY OF POROUS ZONES:
Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

38. GEOLOGIC MARKERS

Formation	Top	Bottom	Description, contents, etc.	Name	Top	
					Meas. Depth	True Vert. Depth
Uinta	**Surface**	**2724'**	**Core: 4369-4494'**	**Mahogany Shale**	**3488'**	
Green River	**2724'**	**5533'**		**Grn. River - F**	**4134'**	
Wasatch	**5533'**	**TD**		**Grn. River- K_B**	**5157'**	
				Grn. River - L	**5314'**	

CORE ANALYSIS RESULTS

for

Chevron USA Production Co.

RWU #307 (14-16C)
Red Wash Unit
Uintah County, Utah
57122-7939

43 047 32632
SGW
SWSW
1137 FSL 1135 FWL

CORELAB

CORE LABORATORIES

CORE LABORATORIES

CORE ANALYSIS RESULTS

for

Chevron USA Production Co.

RWU #307 (14-16C)
Red Wash Unit
Uintah County, Utah
57122-7939

CORELAB

PETROLEUM SERVICES

May 31, 1995

Mr. Dean Gulick
Chevron USA Prod. Co.
100 Chevron Rd.
Rangely, CO 81648

Subject:

Core Analysis Project
RWU 307(14-16C)
Red Wash Unit
Uintah Co., Utah
File Number: 57122-7939

Dear Mr. Gulick:

Core Laboratories was requested to analyze core material obtained from the subject well. The following tests were performed and the results are presented in graphical and tabular formats within this report:

1. Plug Analysis w/CMS-300
2. Total Core Gamma

Thank you for the opportunity to perform this study for Chevron. Should you have any questions pertaining to these test results or if we may be of further assistance, please contact us at (307) 265-2731.

Very truly yours,

David A. Foster
Supervisor

Core Laboratories, Inc.
680 Glenn Road, Casper, Wyoming 82601, P.O. Box 3379, Casper, Wyoming 82602-3379, (307) 265-2731, Fax (307) 265-2734

CORE LABORATORIES

Company : Chevron USA
Well : RWU 307 (14-16C)
Location :
Co,State : Uintah, Utah

Field : Red Wash
Formation : Green River
Coring Fluid : Water Base Mud
Elevation :

File No.: 57122-7939
Date : 28-Apr-1995
API No. :
Analysts: DF SS

C O R E A N A L Y S I S R E S U L T S

(HYDROSTATIC CONFINEMENT)

SAMPLE NUMBER	DEPTH ft	NOB (800 psi) K∞ md	NOB (800 psi) Kair md	POROSITY (HELIUM) %	SATURATION (PORE VOLUME) OIL %	SATURATION (PORE VOLUME) WATER %	GRAIN DENSITY gm/cc	DESCRIPTION
			Cores 1,2 4369.0-4444.0'					
	4369.0- 74.0							Sh -- No Analysis
1	4374.0- 75.0	0.011	0.024	10.0	0.0	78.7	2.76	Sst lt brn vf gr calc shy
2	4375.0- 76.0	0.029	0.039	7.6	0.0	70.9	2.65	Sst gry vf gr calc shy frac
3	4376.0- 76.4	<.001	0.002	8.8	0.0	65.4	2.75	Sst lt brn vf gr calc
	4376.4- 79.4							Sh -- No Analysis
4	4380.0- 80.5	0.005	0.012	6.7	0.0	69.6	2.66	Sst gry vf gr calc shy
	4380.5- 88.0							Sh -- No Analysis
5	4388.0- 89.0			6.6	0.0	76.3	2.62	Sst gry vf gr calc shy
6	4389.0- 90.0	0.001	0.003	5.6	0.0	61.8	2.67	Sst gry vf-f gr calc
7	4390.0- 91.0	0.008	0.016	7.8	0.0	70.5	2.71	Ls lt brn suc brec sdy
	4391.0- 95.0							Sh -- No Analysis
8	4395.0- 96.0	0.051	0.086	6.7	0.0	54.8	2.68	Sst lt gry vf gr calc
9	4396.0- 97.0	273.	276.	16.8	11.9	31.5	2.69	Sst lt gry f-m gr
10	4397.0- 98.0	0.033	0.053	7.5	0.0	67.7	2.63	Sst gry vf gr carb lam calc
11	4398.0- 99.0	0.019	0.035	5.6	0.0	51.7	2.65	Sst gry vf-f gr calc
12	4399.0- 00.0	0.022	0.041	5.7	0.0	59.3	2.66	Sst gry vf-f gr calc
13	4400.0- 01.0	0.052	0.092	9.7	0.0	61.2	2.61	Sst gry vf gr calc carb lam
14	4401.0- 02.0	0.007	0.016	3.1	0.0	42.0	2.68	Sst lt gry vf-f gr calc
	4402.0- 05.0							Sh -- No Analysis
15	4405.0- 06.0	0.022	0.039	7.7	0.0	43.7	2.69	Sst lt gry vf gr calc slty
16	4406.0- 07.0	0.191	0.290	9.8	0.0	42.0	2.67	Sst lt gry vf gr calc slty
17	4407.0- 08.0	0.373	0.550	12.2	3.1	49.9	2.65	Sltst gry sl calc sdy

Data, Plug Analysis 1 - 1

CORE LABORATORIES

Company : Chevron USA
Well : RWU 307 (14-16C)

Field : Red Wash
Formation : Green River

File No.: 57122-7939
Date : 28-Apr-1995

CORE ANALYSIS RESULTS

(HYDROSTATIC CONFINEMENT)

SAMPLE NUMBER	DEPTH	NOB (800 psi)		POROSITY (HELIUM)	SATURATION (PORE VOLUME)		GRAIN DENSITY	DESCRIPTION
		K∞	Kair		OIL	WATER		
	ft	md	md	%	%	%	gm/cc	
42	4441.0- 42.0	0.058	0.095	9.8	0.0	45.7	2.72	Sst gry vf-f gr calc
43	4442.0- 43.0	2.76	3.28	10.9	12.7	32.1	2.68	Sst gry vf-f gr calc
	4443.0- 44.0							Sh -- No Analysis

Sample #38, Unsuitable for Plugging, Sample #22 perm. <.001.

Sample #5, Unsuitable for permeability.

CORE LABORATORIES

Company : Chevron USA
Well : RWU 307 (14-16C)
Field : Red Wash
Formation : GREEN RIVER
File No.: 57122-7939
Date : 28-Apr-1995

TABLE I

SUMMARY OF CORE DATA

ZONE AND CUTOFF DATA

ZONE:
- Identification -------- Green River
- Top Depth ---------- 4369.0 ft
- Bottom Depth ---------- 4444.0 ft
- Number of Samples -------- 43

DATA TYPE:
- Porosity ---------- (HELIUM)
- Permeability ---------- K_∞ (800 psi)

CUTOFFS:
- Porosity (Minimum) ------- 0.0 %
- Porosity (Maximum) ------- 100.0 %
- Permeability (Minimum) --- 0.0000 md
- Permeability (Maximum) --- 100000. md
- Water Saturation (Maximum) 100.0 %
- Oil Saturation (Minimum) - 0.0 %
- Grain Density (Minimum) -- 2.00 gm/cc
- Grain Density (Maximum) -- 3.00 gm/cc
- Lithology Excluded ------- NONE

CHARACTERISTICS REMAINING AFTER CUTOFFS

ZONE:
- Number of Samples ----- 42
- Thickness Represented - 40.5 ft

POROSITY:
- Storage Capacity ------ 455.6 ϕ-ft
- Arithmetic Average ---- 11.2 %
- Minimum ---------- 3.1 %
- Maximum ---------- 20.0 %
- Median ---------- 11.1 %
- Standard Deviation ---- ±4.0 %

GRAIN DENSITY:
- Arithmetic Average ---- 2.68 gm/cc
- Minimum ---------- 2.60 gm/cc
- Maximum ---------- 2.76 gm/cc
- Median ---------- 2.67 gm/cc
- Standard Deviation ---- ±0.04 gm/cc

PERMEABILITY:
- Flow Capacity --------- 397.4 md-ft
- Arithmetic Average ---- 10.2 md
- Geometric Average ----- 0.124 md
- Harmonic Average ------ 0.012 md
- Minimum ---------- 0.001 md
- Maximum ---------- 273. md
- Median ---------- 0.049 md
- Standard Dev. (Geom) -- $K \cdot 10^{\pm 1.321}$ md

HETEROGENEITY (Permeability):
- Dykstra-Parsons Var. -- 0.903
- Lorenz Coefficient ---- 0.916

AVERAGE SATURATIONS (Pore Volume):
- Oil ---------- 7.3 %
- Water ---------- 47.3 %

** Permeabilities less than 0.001 or greater than 3000 md exceed current CMS capabilities. Values exceeding **
** limits are assigned permeabilities of 0.0005 and 3500 md respectively for statistical and graphical purposes. **

CORE LABORATORIES

Company : Chevron USA
Well : RWU 307 (14-16C)
Location :
Co,State : Uintah, Utah

Field : Red Wash
Formation : Green River
Coring Fluid : Water Base Mud
Elevation :

File No.: 57122-7939
Date : 28-Apr-1995
API No. :
Analysts: DF SS

C M S - 2 0 0 T E S T D A T A

SAMPLE NUMBER	DEPTH ft	NOB PRESSURE psi	PORE VOLUME cc	POROSITY %	K∞ md	Kair(est) md	b (He) psi	BETA ft(-1)	ALPHA microns
1	4374.0	800.0			0.011	0.024	86.18		
2	4375.0	800.0			0.029	0.039	25.16	1.4009E13	1.27729E3
3	4376.0	800.0			<.001	0.002	182.80		
4	4380.0	800.0			0.005	0.012	95.79	5.3204E16	9.36237E5
6	4389.0	800.0			0.001	0.003	130.17	1.8566E17	8.87358E5
7	4390.0	800.0			0.008	0.016	86.81	3.2096E15	7.99297E4
8	4395.0	800.0			0.051	0.086	47.13	6.2849E13	1.02547E4
9	4396.0	800.0			273.	276.	0.41	2.79525E7	2.46420E1
10	4397.0	800.0			0.033	0.053	44.37	7.7543E14	8.16227E4
11	4398.0	800.0			0.019	0.035	66.51	1.2219E15	7.38812E4
12	4399.0	800.0			0.022	0.041	61.55	8.7259E14	6.21329E4
13	4400.0	800.0			0.052	0.092	52.84	6.5675E13	1.09591E4
14	4401.0	800.0			0.007	0.016	92.97	3.3084E15	7.96785E4
15	4405.0	800.0			0.022	0.039	53.35	1.7733E15	1.25185E5

CORE LABORATORIES

Company : Chevron USA
Well : RWU 307 (14-16C)

Field : Red Wash
Formation : Green River

File No.: 57122-7939
Date : 28-Apr-1995

C M S - 2 0 0 T E S T D A T A

SAMPLE NUMBER	DEPTH ft	NOB PRESSURE psi	PORE VOLUME cc	POROSITY %	K∞ md	Kair(est) md	b (He) psi	BETA ft(-1)	ALPHA microns
16	4406.0	800.0			0.191	0.290	32.08	1.9130E12	1.15896E3
17	4407.0	800.0			0.373	0.550	27.89	3.2777E11	3.89400E2
18	4408.0	800.0			0.353	0.516	27.24	2.6415E11	2.96666E2
19	4409.0	800.0			2.91	3.59	11.91	6.52779E9	6.10248E1
20	4410.0	800.0			0.025	0.051	75.38	3.6463E14	2.87015E4
21	4412.0	800.0			0.045	0.052	10.94	3.0941E12	4.36016E2
23	4417.0	800.0			0.070	0.130	56.93	1.1532E13	2.56565E3
24	4418.0	800.0			0.018	0.040	87.23		
25	4419.0	800.0			39.9	41.6	1.86	7.19042E8	9.25905E1
26	4420.0	800.0			0.047	0.092	64.93	3.7503E12	5.56115E2
27	4421.0	800.0			0.038	0.076	69.53	8.6991E13	1.06738E4
28	4422.0	800.0			0.007	0.020	137.59	7.4134E13	1.68876E3
29	4423.0	800.0			0.493	0.675	21.25	1.8041E12	2.83018E3
30	4424.0	800.0			0.305	0.458	29.81	2.6014E11	2.52808E2
31	4425.0	800.0			0.213	0.315	29.21	1.5378E12	1.04418E3

CORE LABORATORIES

Company : Chevron USA
Well : RWU 307 (14-16C)

Field : Red Wash
Formation : Green River

File No.: 57122-7939
Date : 28-Apr-1995

C M S - 2 0 0 T E S T D A T A

SAMPLE NUMBER	DEPTH ft	NOB PRESSURE psi	PORE VOLUME cc	POROSITY %	K∞ md	Kair(est) md	b (He) psi	BETA ft(-1)	ALPHA microns
32	4426.0	800.0			1.33	1.71	15.71	3.5255E10	1.50129E2
33	4427.0	800.0			6.06	7.24	9.39	1.82263E9	3.55731E1
34	4428.0	800.0			45.7	50.1	4.09	7.03623E7	1.03744E1
35	4429.0	800.0			12.8	14.8	7.21	2.83481E8	1.16841E1
36	4430.0	800.0			0.021	0.056	122.70	4.1446E12	2.74941E2
37	4431.0	800.0			0.005	0.013	116.82		
39	4433.0	800.0			0.002	0.005	158.86		
40	4438.0	800.0			10.4	11.8	6.14	6.42621E8	2.15579E1
41	4439.0	800.0			0.088	0.160	53.17	5.4132E12	1.51638E3
42	4441.0	800.0			0.058	0.095	44.01	4.0906E13	7.50338E3
43	4442.0	800.0			2.76	3.28	9.77	1.2601E10	1.11723E2

CORE LABORATORIES

Company : Chevron USA
Well : RWU 307 (14-16C)

Field : Red Wash
Formation : Green River

File No.: 57122-7939
Date : 28-Apr-1995

ANALYTICAL PROCEDURES AND QUALITY ASSURANCE

HANDLING & CLEANING

Core Transportation	: Chevron USA, Hot Shot
Solvent	: Toluene
Extraction Equipment	: Dean Stark, Centrifuge
Extraction Time	: 11-24 Hours
Drying Equipment	: Dry Oven
Drying Time	: 24 Hours
Drying Temperature	: 200 F

ANALYSIS

Grain volume measured by Boyle's Law in a matrix cup using He
Bulk volume measured by calipering
Water saturations by Dean Stark
Oil saturations by weight difference in Dean Stark
Core Gamma Composite

REMARKS

Caliper Bulks requested by Chevron, Core slabs, plugs to Chevron, Rangley, Core Butts to Chevron, Houston.

CORE MEASUREMENT SYSTEM (CMS-300)

Porosity = $\dfrac{\textit{Directly Measured Pore Volume}}{\textit{Bulk Volume}} \times 100$

Porosity = $\dfrac{\textit{Helium Injected Into Pore Space By CMS}}{\textit{CMS Pore Volume + Boyle's Law Grain Volume}}$

NOTE: The second porosity equation corrects for bulk volume reduction as overburden pressure is applied.

k_∞ = Equivalent, non-reactive, liquid permeability determined by the CMS at up to eight designated net overburden confining stresses. This is an improved flow capacity indicator since gas slippage effects present at low laboratory pore pressure (and not in the reservoir) have been eliminated.

k_{air} = A calculated air permeability approximating historical core analysis permeability data. k_{air} is an optimistic value. Low pore pressures in historical laboratory measurements result in gas slippage not present at reservoir conditions and create artificially high permeability values.

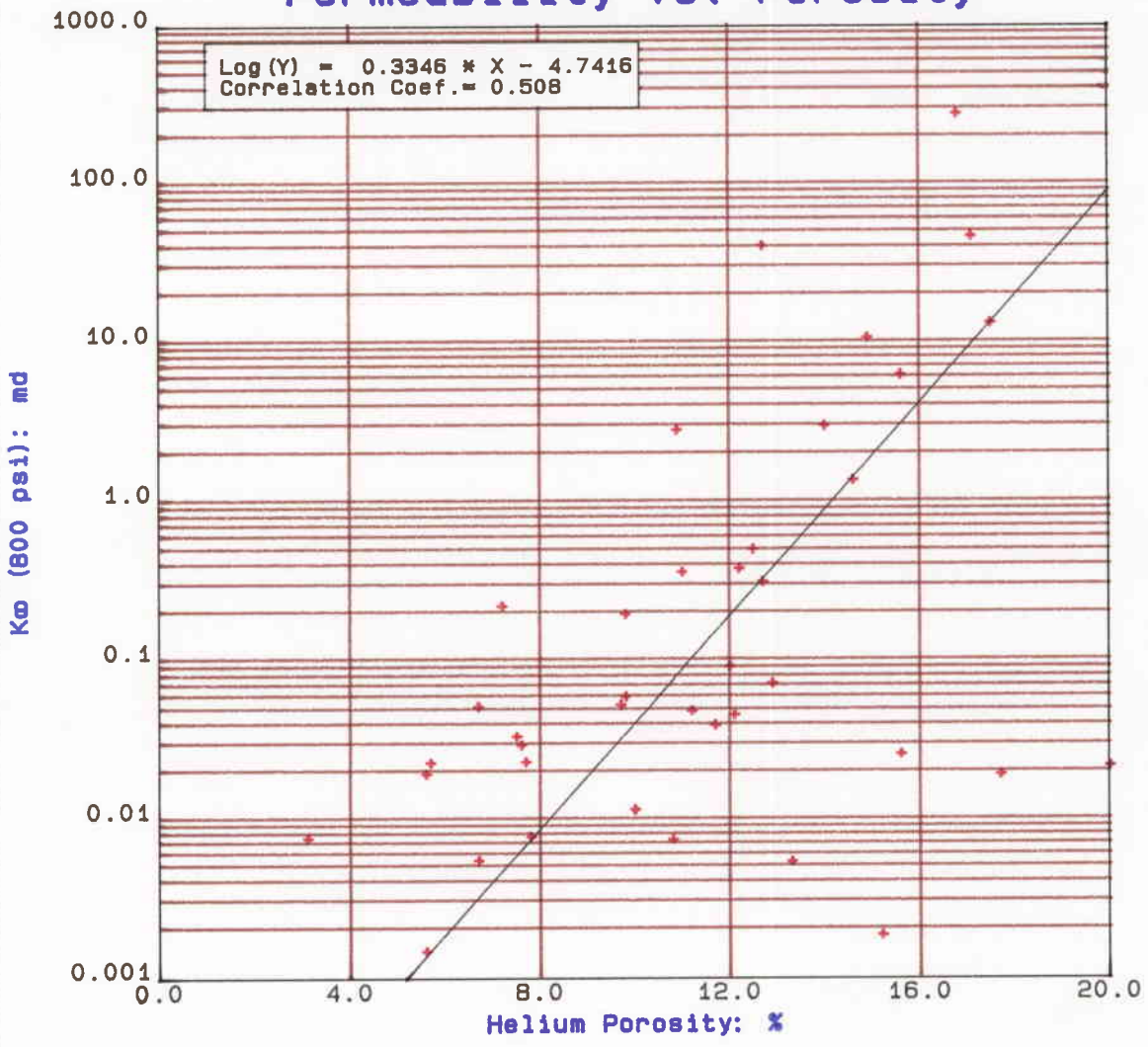
b = A term dependent on (1) pore geometry and (2) type of gas utilized in the permeability measurement that links k_∞ and k_{air} as follows.

$$k_{air} = k_\infty \left(1 + \frac{b_{air}}{P_{mean}} \right)$$

P_{mean} = The mean pore pressure which is equivalent to the average of the upstream and downstream pressure of the core being tested. This value is lower in a typical laboratory determination than in the reservoir.

Beta = Forchheimer inertial term, needed to account for lost flow rate due to gas inertial and/or kinetic effects as gas flows through rock pores.

Permeability vs. Porosity

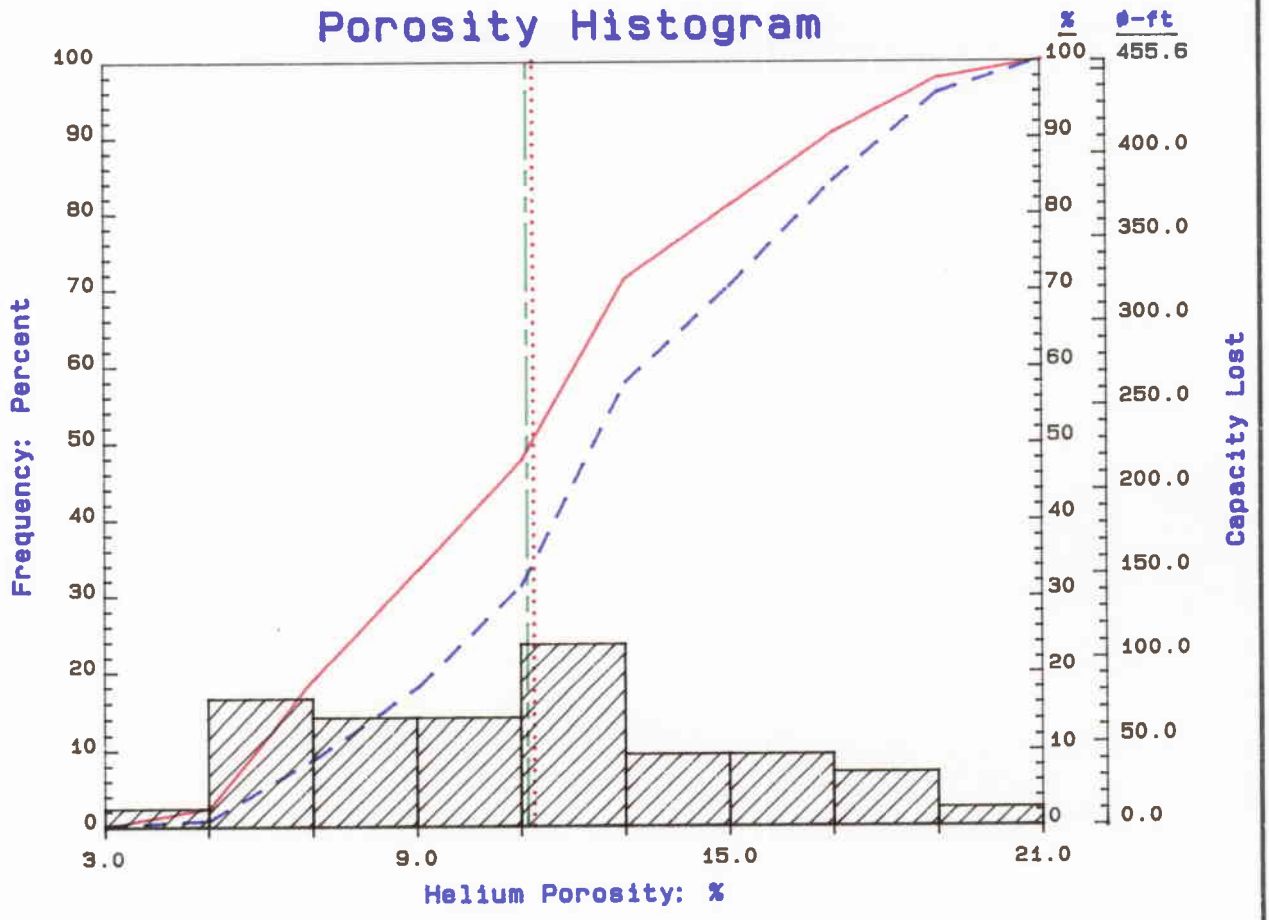


Chevron USA
RWU 307(14-16C)
Red Wash Field
Uintah County, Utah
Green River (4369.0-4444.0 feet)
Cores 1,2

Core Laboratories 25-Apr-1995

- LEGEND -
Green River

Porosity Histogram



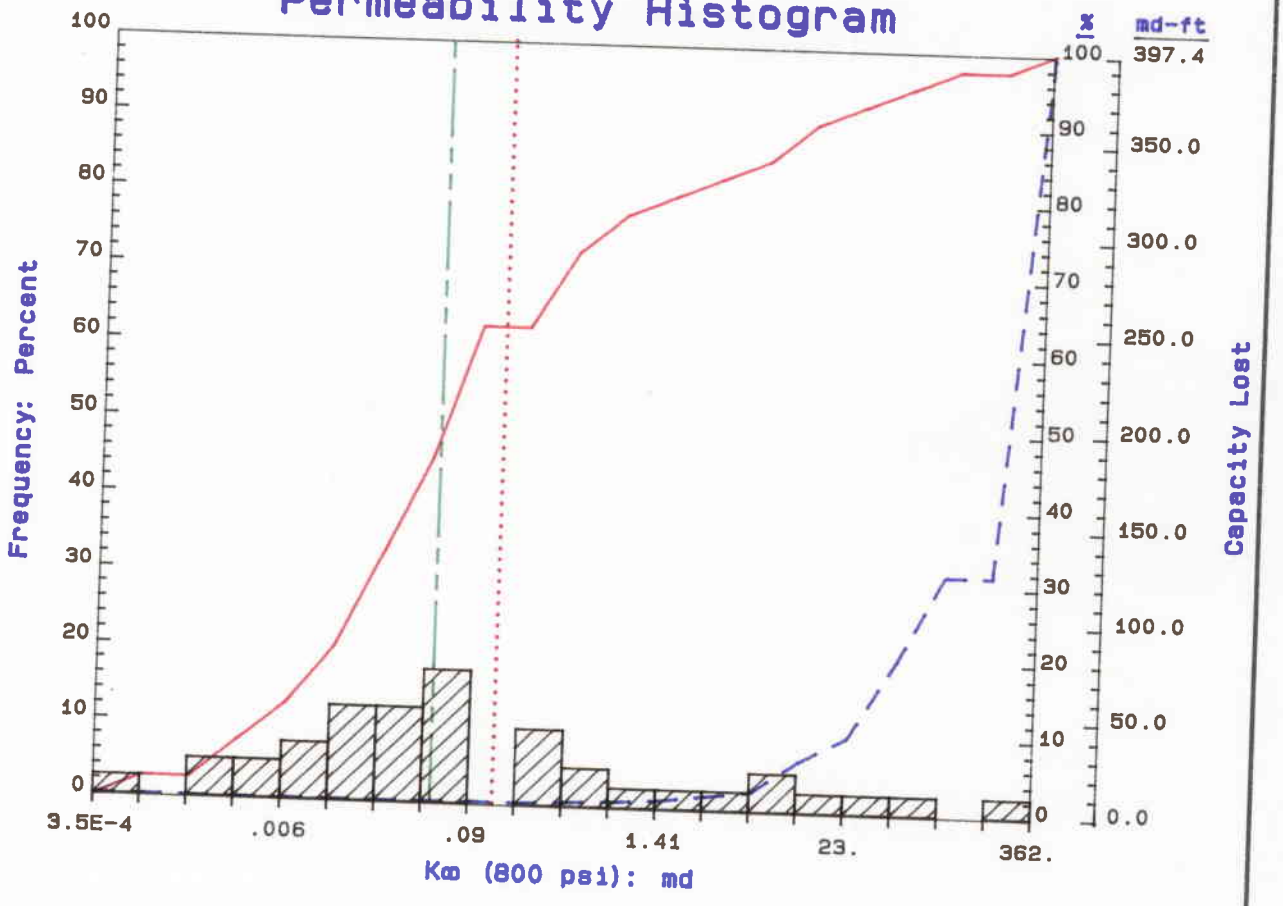
Chevron USA
RWU 307 (14-16C)
Red Wash Field
Uintah County, Utah
Green River (4369.0-4444.0 feet)
Cores 1, 2
Core Laboratories 25-Apr-1995

- LEGEND -

- Median Value (11.1)
- Arith. Average (11.2)
- Cumulative Frequency
- Cumulative Capacity Lost

42 Samples

Permeability Histogram



Chevron USA
RWU 307 (14-16C)
Red Wash Field
Uintah County, Utah
Green River (4369.0-4444.0 feet)
Cores 1, 2
Core Laboratories
25-Apr-1995

- LEGEND -

- Median Value (0.049)
- Geom. Average (0.124)
- Cumulative Frequency
- Cumulative Capacity Lost

40 Samples

CORE LABORATORIES

Company : Chevron USA
Well : RWU 307 (14-16C)

Field : Red Wash
Formation : Green River

File No.: 57122-7939
Date : 28-Apr-1995

CORE ANALYSIS RESULTS

(HYDROSTATIC CONFINEMENT)

SAMPLE NUMBER	DEPTH	NOB (800 psi)		POROSITY (HELIUM)	SATURATION (PORE VOLUME)		GRAIN DENSITY	DESCRIPTION
		K∞	Kair		OIL	WATER		
	ft	md	md	%	%	%	gm/cc	
18	4408.0- 09.0	0.353	0.516	11.0	2.0	52.8	2.64	Sltst gry calc sdy pel
19	4409.0- 10.0	2.91	3.59	14.0	3.4	50.3	2.67	Sltst gry calc sdy pel
20	4410.0- 11.0	0.025	0.051	15.6	4.0	37.5	2.76	Ls gry suc sdy pel
	4411.0- 12.0							Sh -- No Analysis
21	4412.0- 13.0	0.045	0.052	12.1	0.0	60.3	2.71	Ls gry suc pel sdy frac
22	4413.0- 13.6			5.5	0.0	69.7	2.60	Ls gry suc ool arg
	4413.6- 17.1							Sh -- No Analysis
23	4417.0- 18.0	0.070	0.130	12.9	12.0	46.1	2.70	Sst lt gry vf gr calc pel
24	4418.0- 19.0	0.018	0.040	17.7	7.5	68.8	2.76	Ls gry suc ool sdy
25	4419.0- 20.0	39.9	41.6	12.7	27.0	22.8	2.66	Sst gry vf-c gr calc
26	4420.0- 21.0	0.047	0.092	11.2	2.1	46.0	2.64	Sst gry vf gr calc
27	4421.0- 22.0	0.038	0.076	11.7	20.7	27.4	2.66	Sst gry vf gr calc shy
28	4422.0- 23.0	0.007	0.020	10.8	7.6	50.3	2.69	Sst gry vf gr calc shy pel
29	4423.0- 24.0	0.493	0.675	12.5	19.3	36.7	2.65	Sst gry vf-m gr calc
30	4424.0- 25.0	0.305	0.458	12.7	15.3	32.3	2.63	Sst gry vf-f gr calc pel
31	4425.0- 26.0	0.213	0.315	7.2	33.5	18.0	2.67	Sst gry vf-f gr calc
32	4426.0- 27.0	1.33	1.71	14.6	24.0	34.2	2.67	Sst gry vf gr calc
33	4427.0- 28.0	6.06	7.24	15.6	10.4	38.2	2.66	Sst gry vf gr calc shy
34	4428.0- 29.0	45.7	50.1	17.1	14.0	30.4	2.69	Sst gry vf gr calc shy
35	4429.0- 30.0	12.8	14.8	17.5	13.3	46.1	2.68	Sst gry vf gr calc pel
36	4430.0- 31.0	0.021	0.056	20.0	3.4	61.5	2.75	Ls gry suc ool sdy arg
37	4431.0- 32.0	0.005	0.013	13.3	0.0	52.6	2.73	Ls gry suc ool sdy arg
38	4432.0- 33.0							Ls gry suc ool sdy arg
39	4433.0- 34.0	0.002	0.005	15.2	0.0	39.3	2.76	Ls gry suc ool sdy arg
	4434.0- 38.0							Sh -- No Analysis
40	4438.0- 39.0	10.4	11.8	14.9	7.0	34.8	2.70	Sst gry vf-f gr calc
41	4439.0- 40.0	0.088	0.160	12.0	0.0	55.6	2.66	Sst gry vf-f gr calc
	4440.0- 41.0							Sh -- No Analysis

Data, Plug Analysis 1 - 2

Correlation Coregraph

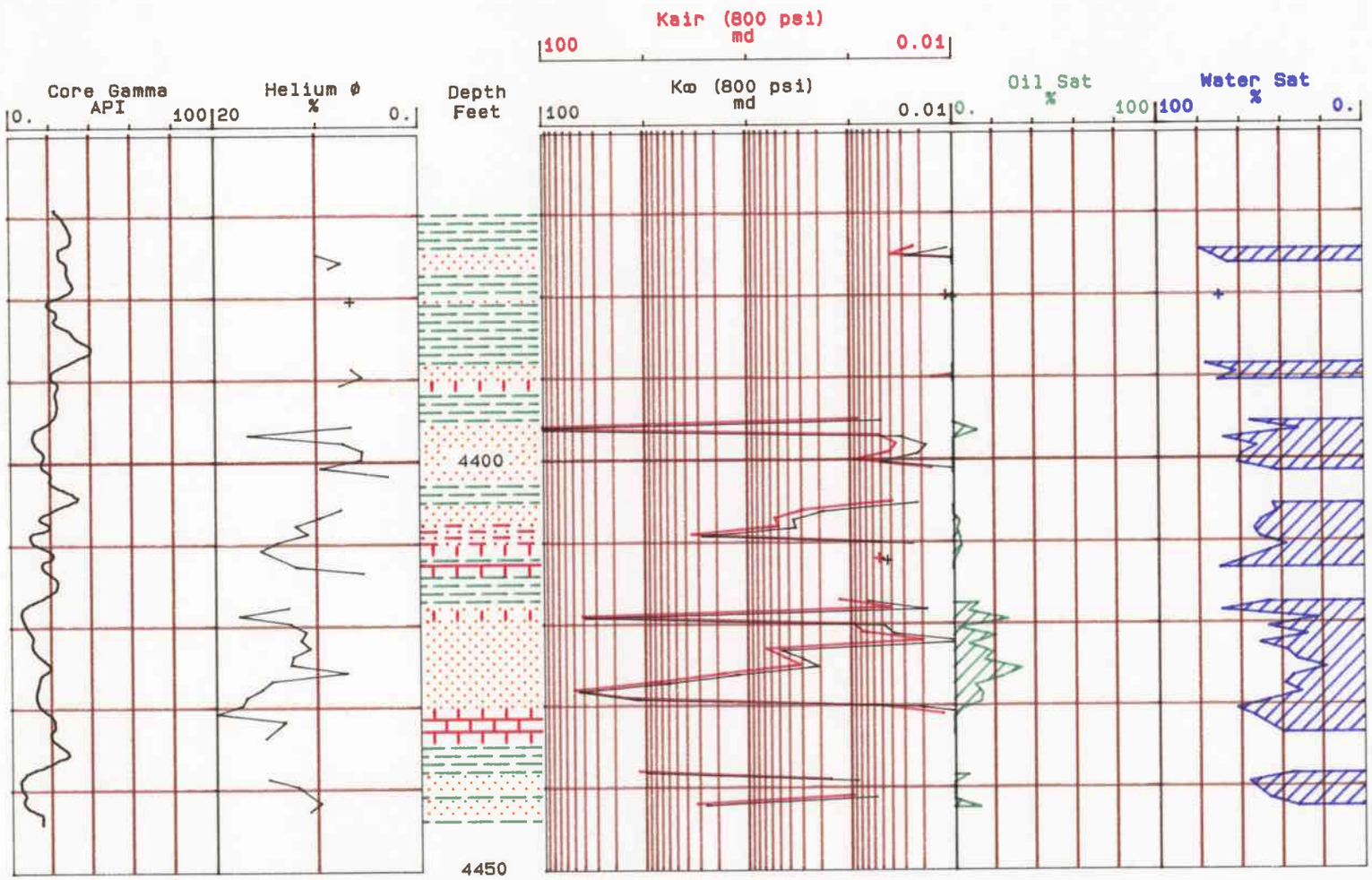
Chevron USA
RWU 307 (14-16C)
Red Wash Field
Uintah County, Utah
Green River (4369.0-4444.0 feet)
Cores 1, 2

Core Laboratories 25-Apr-1995

Vertical Scale
5.00 in = 100.0 ft

- Lithology Legend -

Shale | Sandstone | Limestone | Siltstone



43-049-32632

United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Vernal District Office
170 South 500 East
Vernal, Utah 84078-2799

IN REPLY REFER TO:
2880
UTU-73613
(U-082)

JUL 11 1995

Ronald J. Firth
Division of Oil, Gas and Mining
355 West North Temple
Three Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Dear Mr. Firth:

This is in reference to State mineral lease 3042, located in Section 16 of T. 7 S., R. 24 E., SLM, Utah. Chevron USA Production Company has secured a Federal right-of-way from our office for a surface pipeline to the Red Wash Unit State well 307. We have enclosed a copy of the right-of-way document for your information and files.

We request that you notify our office of any future changes in the status of this well so that our records can be updated and the right-of-way terminated if necessary. Please reference our right-of-way serial number UTU-73613 in any future correspondence concerning this well.

Should you have any questions concerning this matter, please contact me at (801) 781-4434. We thank you for your cooperation.

Sincerely,

Cindy McKee

Cindy McKee
Land Law Examiner

Enclosure:
Right-of-way Grant UTU-73613

Records

FORM 2800-14
(August 1985)

Issuing Office
Vernal District
Book Cliffs Resource Area

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
RIGHT-OF-WAY GRANT

SERIAL NUMBER UTU-73613

---

1. A right-of-way is hereby granted pursuant to Section 28 of the Mineral Leasing Act of 1920, as amended (30 U.S.C. 185).

2. Nature of Interest:

   a. By this instrument, the holder:

   Chevron USA Production Company
   11002 East 17500 South
   Vernal, Utah 84078

   receives a right to construct, operate, maintain, and terminate a surface, 2.5 inch outside diameter, steel natural gas transportation pipeline on Federal lands described as follows:

   Salt Lake Meridian, Utah
   T. 7 S., R. 24 E.,
   Sec. 17, SE¼SE¼;
   Sec. 20, E½NE¼.

   b. The right-of-way area granted herein is 15 feet wide, 1,800 feet long and contains 0.64 acres, more or less.

   c. This instrument shall terminate December 31, 2025, unless prior thereto, it is relinquished, abandoned, terminated, or modified pursuant to the terms and conditions of this instrument or of any applicable Federal law or regulation.

   d. This instrument may be renewed. If renewed, the right-of-way shall be subject to the regulations existing at the time of renewal and any other terms and conditions that the authorized officer deems necessary to protect the public interest.

   e. Notwithstanding the expiration of this instrument or any renewal thereof, early relinquishment, abandonment, or termination, the provisions of this instrument, to the extent applicable, shall continue in effect and shall be binding on the holder, its successors, or assigns, until they have fully satisfied the obligations and/or liabilities accruing herein before or on account of the expiration, or prior termination, of the grant.

3. Rental:

For and in consideration of the rights granted, the holder agrees to pay the Bureau of Land Management fair market value rental as determined by the authorized officer unless specifically exempted from such payment by regulation. Provided, however, that the rental may be adjusted by the authorized officer, whenever necessary, to reflect changes in the fair market rental value as determined by the application of sound business management principles, and so far as practicable and feasible, in accordance with comparable commercial practices.

4. Terms and Conditions:

a. This grant is issued subject to the holder's compliance with all applicable regulations contained in Title 43 Code of Federal Regulations part 2880.

b. Upon grant termination by the authorized officer, all improvements shall be removed from the Federal lands within 90 days, or otherwise disposed of as provided in paragraph (4)(c) or as directed by the authorized officer.

c. The stipulations, plans, maps, or designs set forth in Exhibits "A" and "B" dated May 9, 1995, attached hereto, are incorporated into and made a part of this grant instrument as fully and effectively as if they were set forth herein in their entirety.

d. Failure of the holder to comply with applicable law or any provision of this right-of-way grant shall constitute grounds for suspension or termination thereof.

e. The holder shall perform all operations in a good and workmanlike manner so as to ensure protection of the environment and the health and safety of the public.

f. The holder shall construct, operate, and maintain the facilities, improvements, and structures within this right-of-way area in strict conformity with the applicant's plan of development, dated May 9, 1995. Any relocation, additional construction, or use that is not in accord with the approved plan of development shall not be initiated without the prior written approval of the authorized officer. Noncompliance with the above will be grounds for an immediate temporary suspension of activities if it constitutes a threat to public health and safety or the environment.

g. All surface lines will be either black or brown in color. If another color is preferred by Chevron, BLM will be consulted prior to approval of another color.

h. Construction of the pipeline will not occur during periods of wet soil conditions. Rutting can create severe erosion problems, especially on steep slopes. Operations should cease until soils are dry or frozen to avoid erosion rutting.

IN WITNESS WHEREOF, The undersigned agrees to the terms and conditions of this right-of-way grant.

L S Quilley for Chevron USA
(Signature of Holder)

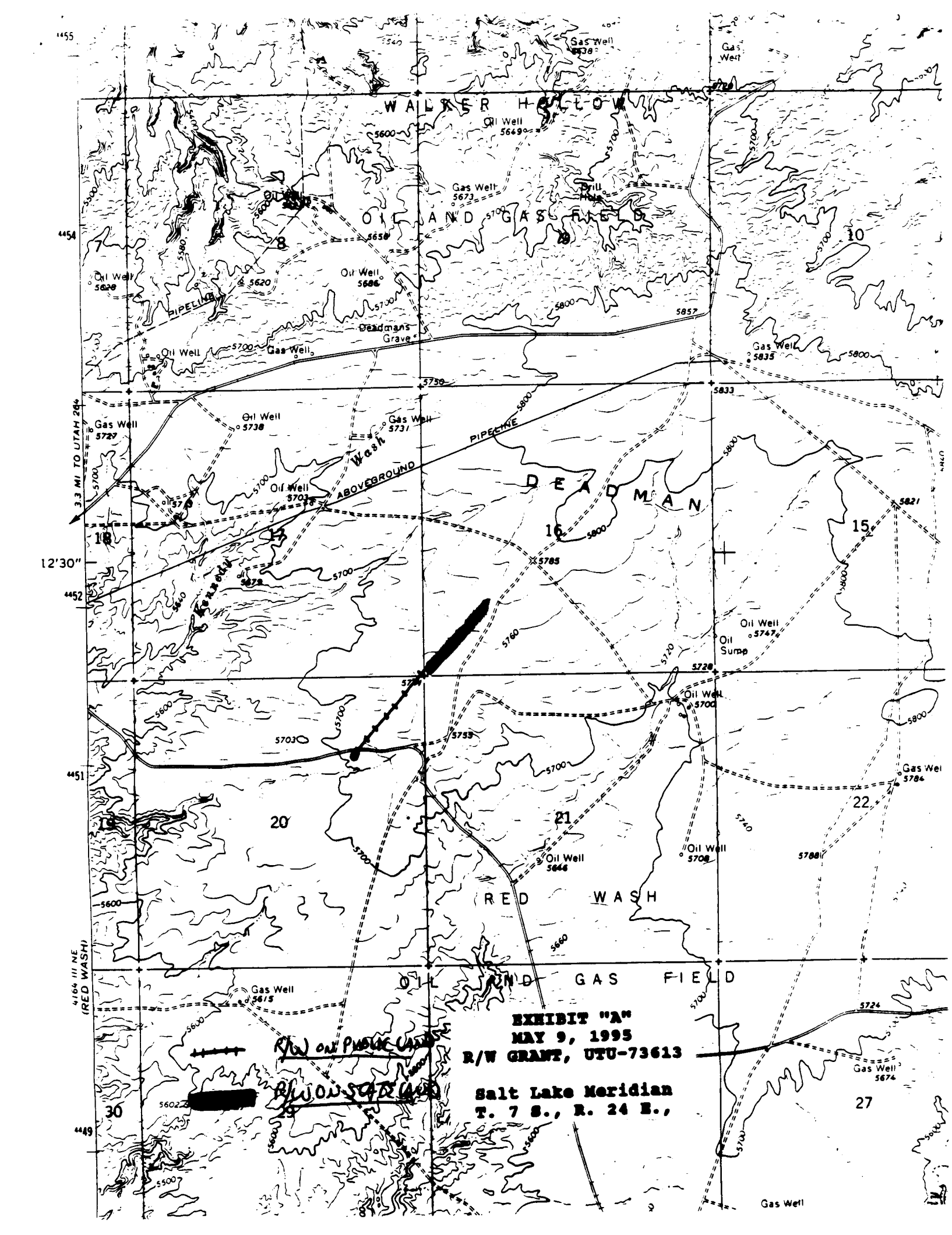
Asset Team Leader
(Title)

6-28-95
(Date)

Frank M. Richmond
(Signature of Authorized Officer)

Area Manager
Book Cliffs Resource Area
(Title)

JUL 11 1995
(Effective Date of Grant)


WALKER HOLLOW
OIL AND GAS FIELD
DEADMAN
OIL AND GAS FIELD
RED WASH
OIL AND GAS FIELD
Deadmans Grave
PIPELINE
ABOVEGROUND PIPELINE
3.3 MI TO UTAH 264
12'30"
4164 III NE (RED WASH)
Oil Well
Gas Well
Drill Hole
Oil Sump
EXHIBIT "A"
MAY 9, 1995
R/W GRANT, UTU-73613
Salt Lake Meridian
T. 7 S., R. 24 E.,

RED WASH UNIT #307
ACCESS ROAD AND FLOWLINE
RIGHT OF WAY APPLICATION
SEC. 20-T7S-R24E
UINTAH COUNTY, UTAH

DESCRIPTION OF FACILITY:

1. **PURPOSE AND NEED FOR THE FACILITY:**

   a. The proposed right of way is needed to construct a flowline for the completion, operation and maintenance of the proposed RWU #307 gas well. See Topographic Maps A, and C.

   b. The ROW will be used for the life of the proposed well. If additional wells are drilled in the future with access attached to the proposed ROW, the ROW will be used for the life of those wells.

   c. Not aplicable

   d. The proposed ROW is not related to any known BLM transportation plan.

   e. The proposed ROW is not related to any known State or local transportation plan.

   f. The proposed ROW will be used year round.

   g. See Topographic Maps A, and C, attached.

2. **FACILITY DESIGN FACTORS:**

   Pipeline construction requirements are limited to those needed for routine completion, operation and maintenance of a typical gas well in the Red Wash Unit.

3. **ADDITIONAL COMPONENTS OF THE RIGHT OF WAY:**

   a. See Topographic Map C.

   b. See Topographic Maps A, and C.

EXHIBIT "B"
MAY 9, 1995
PLAN OF DEVELOPMENT
R/W GRANT, UTU-73613

Recd 5-5-95
cm.

c. Any construction materials needed for the proposed ROW will be supplied by commercial vendors.

4. GOVERNMENT AGENCY INVOLVEMENT:

a. Does not apply.

b. Does not apply.

c. State approval is required and has been obtained for the wellsite and remainder of road and flowline ROW located in Sec. 16-T7S-R24E. See Topographic Map C.

5. RIGHT OF WAY LOCATION:

a, b, c, and d. See Topographic Maps A, and C.

e. See Topographic Map C.

6. RESOURCE VALUES AND ENVIRONMENTAL CONCERNS:

The pipeline ROW has been recommended for archeological and historical clearance per a 12/6/94 meeting between BLM, Senco-Phenix and Chevron personnel.

7. CONSTRUCTION OF THE FACILITY:

a. Does not apply.

b. Equipment needs will be limited to that needed for clearing brush and smoothing the ROW.

c. No seasonal restrictions are anticipated.

8. STABILIZATION AND REHABILITATION:

No stabilization and rehabilitation items are expected to be needed.

RED WASH UNIT #307
RIGHT OF WAY APPLICATION

9. OPERATION AND MAINTENANCE OF THE FACILITY:

The pipeline will be maintained by Chevron so as to prevent any leaks and loss of resources.

10. TERMINATION AND RESTORATION:

When no longer needed for production operations, the pipeline will be removed and will be rehabilitated to BLM specifications.

Chevron

Chevron U.S.A. Production Company
A Division of Chevron U.S.A. Inc.
Vernal, Utah

93-516
929

No. 3323-00381

JULY 7 19 95

Pay to order of BUREAU OF LAND MANAGEMENT
170 SOUTH 500 EAST
VERNAL UT 84078

$ *18.00*

Not Valid For More Than $ 5,000.00

Norwest Bank Lewistown, N.A.
Lewistown, MT 59457

⑈3323003818⑈ ⑆092905168⑆ 00⑈306⑈8⑈

Inquiries regarding this check should be addressed to: **Chevron U.S.A. Production Company**, A Division of Chevron U.S.A. Inc.
25 Miles South East of Vernal, UT 84078

No. 3323-00381

Date	Description	Amount	Discount	Total
7/6/95	RIGHT-OF-WAY MRD53182/54 RW #307 FLOWLINE RENTAL FEE THRU 12-31-99	$18.00		

Please Detach Before Depositing Check

GO 200 254 (8 92)
Printed in U S A

Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir
Use "APPLICATION FOR PERMIT--" for such proposals

SUBMIT IN TRIPLICATE

5. Lease Designation and Serial No.: **ML-3042**

6. If Indian, Allottee or Tribe Name: **N/A**

7. If Unit or CA, Agreement Designation: **RED WASH UNIT**

1. Type of Well
   [X] Oil Well [ ] Gas Well [ ] Other

8. Well Name and No.: **Red Wash Unit 307**

2. Name of Operator: **CHEVRON U.S.A. PRODUCTION COMPANY**

9. API Well No.: **43-047-32632**

3. Address and Telephone No.: **11002 E. 17500 S. VERNAL, UT 84078-8526**
   Steve McPherson in Red Wash (801) 781-4310 or Gary Scott in Rangely, CO. (970) 675-3791

10. Field and Pool, or Exploratory Area: **RED WASH - GREEN RIVER**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
   1137' FSL & 1135' FWL (SW SW) SECTION 16, T7S, R24E, SLBM

11. County or Parish, State: **UINTAH, UTAH**

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
[X] Notice of Intent	[ ] Abandonment	[ ] Change of Plans
[ ] Subsequent Report	[ ] Recompletion	[ ] New Construction
[ ] Final Abandonment Notice	[ ] Plugging Back	[ ] Non-Routine Fracturing
	[ ] Casing Repair	[ ] Water Shut-Off
	[ ] Altering Casing	[ ] Conversion to Injection
	[X] Other **TA STATUS OF WELL**	[ ] Dispose Water

(Note) Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)

CHEVRON IS REQUESTING TA APPROVAL ON THE ABOVE WELL. PENDING EVALUATION OF THIS WELL, IT MAY BE A 1997 P&A CANDIDATE.

RECEIVED
NOV 1 3 1996
DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct.
Signed G.D. SCOTT G.D. Scott Title **DRILLING TECHNICIAN** Date **November 5, 1996**

(This space for Federal or State office use)

Approved by: _____ Title _____ Date _____

Conditions of approval, if any

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

***See Instruction on Reverse Side**

Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir
Use "APPLICATION FOR PERMIT--" for such proposals

SUBMIT IN TRIPLICATE

5. Lease Designation and Serial No.: **ML-3042**

6. If Indian, Allottee or Tribe Name: **N/A**

7. If Unit or CA, Agreement Designation: **RED WASH UNIT**

1. Type of Well
   Oil Well [ ] Gas Well [X] Other [ ]

8. Well Name and No.: **RED WASH UNIT 307**

2. Name of Operator: **CHEVRON U.S.A. PRODUCTION COMPANY**

9. API Well No.: **43-047-32632**

3. Address and Telephone No: **11002 E. 17500 S. VERNAL, UT 84078-8526** **(801) 781-4300**

10. Field and Pool, or Exploratory Area: **RED WASH - GREEN RIVER**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
   1137' FSL & 1135' FWL (SW SW) SECTION 16, T7S, R24E, SLBM

11. County or Parish, State: **UINTAH, UTAH**

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	[ ] Casing Repair	[ ] Water Shut-Off
	[ ] Altering Casing	[ ] Conversion to Injection
	[X] Other **TA STATUS OF WELL**	[ ] Dispose Water

(Note) Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)

CHEVRON IS REQUESTING A TA STATUS ON THE ABOVE WELL. WE WILL EVALUATE THIS WELL FOR RECOMPLETION OR P&A DURING 1999.

RECEIVED
DEC 19 1997
DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct.
Signed D C Tarver Title **COMPUTER SYSTEMS OPERATOR** Date **12/9/97**

(This space for Federal or State office use)

Approved by: Title Date

Conditions of approval, if any

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***See instruction on Reverse Side**

State of Utah
Department of Natural Resources
Division of Oil, Gas and Mining
Oil and Gas Program

Conditional Approval of Notice of Intent to Abandonment Well

API Well Number: 43-047-32632

Well Name and Number: RWU #307

Name of Operator: Chevron U.S.A. Production Company

Sundry Receipt Date: March 8, 1999

Date/Initials: 3-10-99/RJK

The Division based on the following general and specific conditions approves the submitted Sundry Notice for Well Abandonment:

GENERAL CONDITIONS

A. Operator shall conduct all plugging and abandonment work in accordance with Utah Administrative Code R649-3-24.

B. Operator shall notify the Division at least 24 hours prior to initiating field activities.

C. Within 30 days following completion of the abandonment, Operator shall submit a subsequent report to the Division detailing the following:

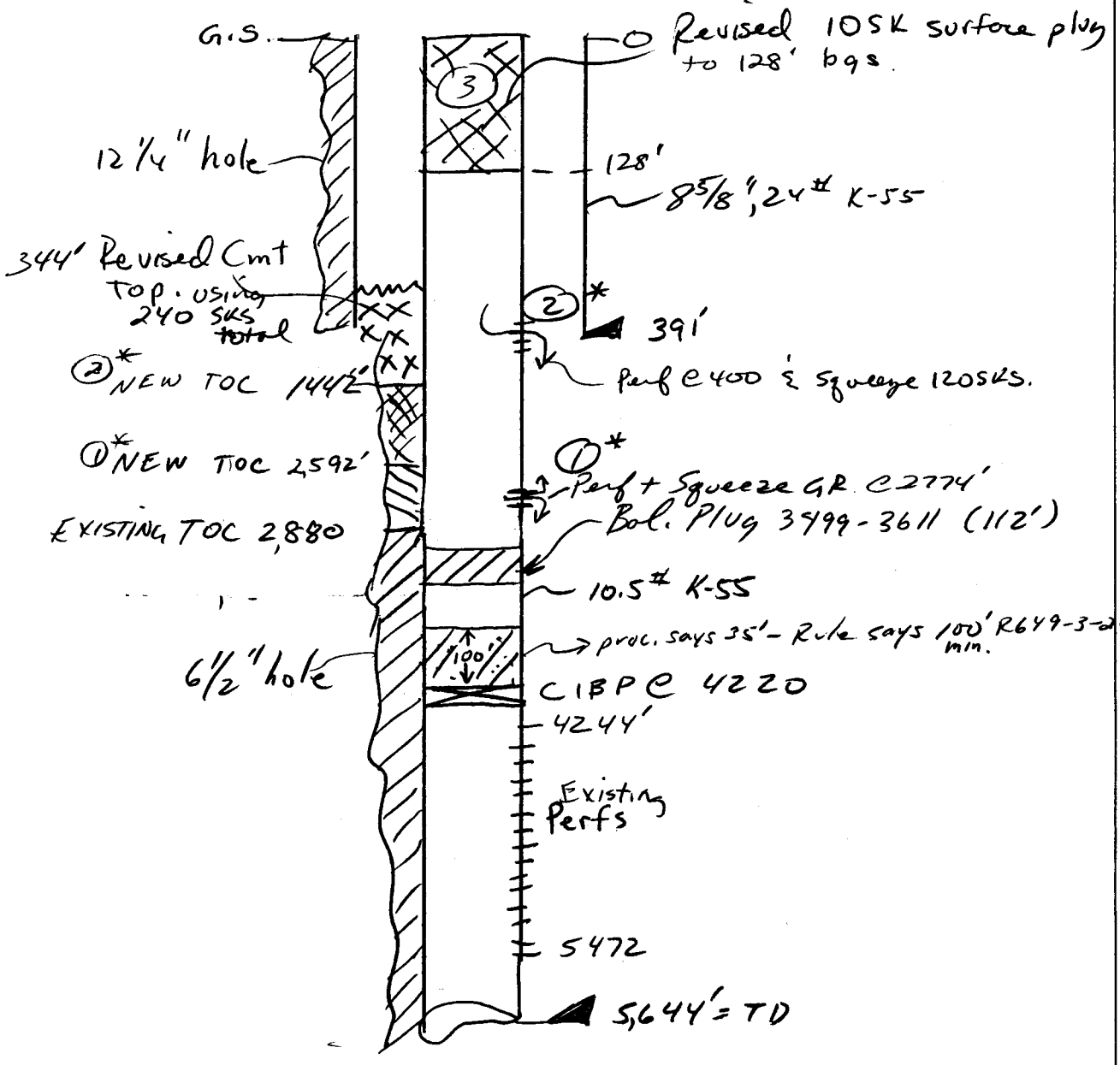
- An account of plugging and casing removal procedures, specifications and quantities of all materials and equipment used, and the depths of all plugs installed;
- Records of any tests conducted or measurements collected; and,
- Amounts, type, and condition of casing removed and location and type of casing left in the well.

SPECIFIC CONDITIONS

The following specific conditions are revisions of and additions to the proposed procedure.

1. Procedure Item 3 – A minimum of 100 ' of Class G cement shall be dump bailed onto the CIBP set at 4200'.
2. Procedure Items 3, 4, and 5 – abandoned wellbore fluid shall contain a biocide and oxygen scavenger additive.
3. Procedure Item 6 – 240 sacks shall be circulated into perforations at 400'.
4. New Procedure Item – A 10 sacks balanced plug of Class A or B cement shall be set at the surface.
5. Procedure Item 7 – A permanent surface monument shall be erected in accordance with R649-3-24-7.

Please contact Bob Krueger, P.E., Petroleum Engineer at (801) 538-5274 with any questions regarding this conditional approval.



* Cement Vol. Calcs:

① $(0.12 \frac{cu\,ft}{ft})(x\,ft) = (1.15 \frac{ft^3}{SK})(30SK)$

Fillup = 287.5' Top = 2880 − 287.5 = 2592.5' OK to cover GR top @ 2724'

② $\frac{\text{Below Perfs.}}{(0.12 \frac{cu\,ft}{ft})(x\,ft)} = (1.15 \frac{ft^3}{SK})(120\,SKS) = 1150\,ft$

$(1442' - 391') = (1051')(0.12) = \frac{126\,ft^3}{1.15\,ft^3} = 110SKS + 10\%$ csg/csg annular fill.
$= 120SKS$ more

③ Surface Plug $\frac{(10\,SKS)(1.15 \frac{ft^3}{SK})}{(0.0895 \frac{ft^3}{ft})} = 128'$ plug.

But csg/p = $.2471 \frac{ft^3}{ft}$
$\frac{(10SKS)(1.15)}{.2471} = 47\,ft$ fill

Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

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Use "APPLICATION FOR PERMIT--" for such proposals

SUBMIT IN TRIPLICATE

5. Lease Designation and Serial No.: ML-3042

6. If Indian, Allottee or Tribe Name: N/A

7. If Unit or CA, Agreement Designation: RED WASH UNIT

1. Type of Well: [ ] Oil Well [X] Gas Well [ ] Other

8. Well Name and No.: RED WASH UNIT 307

2. Name of Operator: CHEVRON U.S.A. PRODUCTION COMPANY

9. API Well No.: 43-047-32632

3. Address and Telephone No: 11002 E. 17500 S. VERNAL, UT 84078-8526 (801) 781-4306

10. Field and Pool, or Exploratory Area: RED WASH - GREEN RIVER

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1137' FSL & 1135' FWL (SW SW) SECTION 16, T7S, R24E, SLBM

11. County or Parish, State: UINTAH, UTAH

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
[X] Notice of Intent	[X] Abandonment	[ ] Change of Plans
[ ] Subsequent Report	[ ] Recompletion	[ ] New Construction
[ ] Final Abandonment Notice	[ ] Plugging Back	[ ] Non-Routine Fracturing
	[ ] Casing Repair	[ ] Water Shut-Off
	[ ] Altering Casing	[ ] Conversion to Injection
	[ ] Other _____	[ ] Dispose Water

(Note) Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)

WE INTEND TO PLUG AND ABANDON THIS WELL PER THE ATTACHED.

Approved by the Utah Division of Oil, Gas and Mining
Date: _____
By: _____

COPY SENT TO OPERATOR
Date: 3-15-99
Initials: CHD

APPROVED
The Utah Division of Oil, Gas and Mining
Robert J. Krueger, PE, Petroleum Engineer
Date: 3-10-99

14. I hereby certify that the foregoing is true and correct.
Signed D. C. BEAMAN D C Beaman Title COMPUTER SYSTEMS OPERATOR Date 3/3/1999

(This space for Federal or State office use)

Approved by: _____ Title _____ Date _____

Conditions of approval, if any: See attached Conditions of Approval

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See instruction on Reverse Side

RED WASH UNIT #307
1137' FSL & 1135' FWL
NESW-SEC.16-T7S-R24E
UINTAH COUNTY, UTAH

API#:	43-047-32632
LEASE NUMBER:	ML-3042
KB ELEVATION:	5782'
GL ELEVATION:	5770'
TD:	5650'
PBTD:	5560'

CASING DETAIL:

12-1/4" HOLE SIZE
8-5/8" 24# K-55 @ 391' W/210 SX. CLASS G CEMENT TO SURFACE

6-1/2" HOLE SIZE
4-1/2" 10.5# K-55 @ 5644' W/260 SX. HI-FILL STANDARD LEAD AND 350 SX. CLASS H TAIL.
CEMENT TOP AT 2880' BY CBL

TUBING DETAIL: FULL STING OF OPEN-ENDED 2-3/8"

PERFORATION DETAIL:

4244-47'	5341-47'
4250-52'	5445-61'
4277-80'	5463-67'
4914-24'	5470-72'
5168-75'	
5193-97'	
5262-65'	
5293-96'	
5314-17'	
5324-27'	
5330-35'	

RWU #307
PLUGGING PROCEDURE:

1. MIRU. HOT OIL IF NEEDED, PULL EQUIPMENT.

2. MAKE A BIT AND SCRAPER TRIP TO 4220'.

3. **TOP PERFORATION AT 4244'**. SET CIBP AT 4200' AND DUMP BAIL ~~35'~~ OF CLASS G CEMENT ON TOP. DISPLACE WELLBORE TO ~3500' WITH 9.2 PPG BRINE. with biocide and corr. inhibitor add. fires.

4. **OIL SHALE INTERVAL AT 3549-61', CEMENT TOP AT 2880'**. SET A BALANCED PLUG ACROSS THE INTERVAL 3499-3611' USING ~10 SX. OF CLASS G CEMENT. CIRCULATE CLEAN AND DISPLACE WELLBORE TO ~2700' WITH 9.2 PPG BRINE. " " " " " "

5. **GREEN RIVER FORMATION TOP AT 2724'**. PERFORATE AT 2774', SET CICR AT 2674' AND SQUEEZE WITH ~30 SX. CLASS G CEMENT. CIRCULATE CLEAN AND DISPLACE WELLBORE WITH 9.2 PPG BRINE. " " " " "

6. **SURFACE CASING SHOE AT 391'**. PERFORATE AT 400' AND CIRCULATE ~~120~~ 240 SX. CLASS G CEMENT INTO PLACE.

→ Surface Plug 10 sks "G"

7. CUT OFF WELLHEAD AND INSTALL LOCATION MARKER ~~OR SUBSURFACE PLATE~~ AS DIRECTED BY REGULATORY AUTHORITIES.

8. RDMO. TURN OVER TO OPERATIONS FOR LOCATION REHABILITATION.

a minimum of 100' per Rule

Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir
Use "APPLICATION FOR PERMIT--" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well
   Oil Well [ ] Gas Well [X] Other [ ]

2. Name of Operator
   CHEVRON U.S.A. PRODUCTION COMPANY

3. Address and Telephone No
   11002 E. 17500 S. VERNAL, UT 84078-8526 **(801) 781-4306**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
   1137' FSL & 1135' FWL (SW SW) SECTION 16, T7S, R24E, SLBM

5. Lease Designation and Serial No.
   ML-3042

6. If Indian, Allottee or Tribe Name
   N/A

7. If Unit or CA, Agreement Designation
   RED WASH UNIT

8. Well Name and No.
   RED WASH UNIT 307

9. API Well No.
   43-047-32632

10. Field and Pool, or Exploratory Area
    RED WASH - GREEN RIVER

11. County or Parish, State
    UINTAH, UTAH

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
[X] Notice of Intent	[ ] Abandonment	[ ] Change of Plans	
[ ] Subsequent Report	[ ] Recompletion	[ ] New Construction	
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	[ ] Casing Repair	[ ] Water Shut-Off	
	[ ] Altering Casing	[ ] Conversion to Injection	
	[X] Other CLEAR SURFACE	[ ] Dispose Water	

(Note) Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)

After PA of well.

We request permission to abandon and reclaim all surface facilities and equipment including pits and surface pipelines. We also request permission to bury all cement pumping unit pads and well cellars. After cleanup, locations and right of ways will be seeded per BLM specifications.

RECEIVED
MAR 19 1999
DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct.
Signed **D. C. BEAMAN** D C Beaman Title **COMPUTER SYSTEMS OPERATOR** Date **3/18/1999**

(This space for Federal or State office use)

Approved by: _____ Title _____ Date _____

Conditions of approval, if any

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***See instruction on Reverse Side**

HALLIBURTON

JOB LOG

ORDER NO. 70006

TICKET # 1031	TICKET DATE 6-8-99		
REGION North America	NWA/COUNTRY Rocky Mtn USA	BDA / STATE UTAH	COUNTY Uintah
MBU ID / EMP # Ve 0109 H0103 122074	EMPLOYEE NAME Ex Cook	PSL DEPARTMENT 500 2T	
LOCATION 0208	COMPANY Chevron USA	CUSTOMER REP / PHONE Steve Mecham	
TICKET AMOUNT	WELL TYPE O	API / UWI #	
WELL LOCATION Redwash	DEPARTMENT 500 2T	JOB PURPOSE CODE 115 PTA	
LEASE / WELL # Redwash Unit 307	SEC / TWP / RNG 16 / 7S / 24E		

HES EMP NAME/EMP#/(EXPOSURE HOURS)	HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS)	HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS)	HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS)	HRS
E Cook 122074		C Parrant 121667					
C Walden 122181							
R Paquette 121665							

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS T	PUMPS C	PRESS. (psi) Tbg	PRESS. (psi) Csg	JOB DESCRIPTION / REMARKS
	0500							6-7-99
	0530							Held Safety Meeting
								Rig Location spot equip Rig up Safety meeting
								23/8 TBG 4 1/2 10.5# CSG
#1								CICR set @ 4195'. Set 100' balanced plug 8 SX
	851		5			1000		PSI Test TBG
	855		14				500	Fill + Test CSG
	904	3.5	65			950		Roll Hole w/ Brine
	927	3	3			860		Pump Fresh Ahead
	930	2.4	1.6			680		Mix + pump CMT 15.8# 1.15 FT3/SK
	931	2.4	1			600		Pump Fresh Behind
	932	2.8	0			700		Start Brine displacement
	938	0	14.8			0		Shut down plug balanced
								POOH TO 3611'
								Set 112' balanced plug 9 SX
#2	958	2.5	20			620		Circulate Hole w/ Brine
	1006	3.5	3			970		Pump Fresh Ahead
	1010	3.5	1.8			1010		Mix + pump CMT 15.8# 1.15 FT3/SK
	1011	3.5	1			950		Pump Fresh Behind
	1011	3.3	0			900		Start Brine displacement
	1015	0	12.5			0		End displacement plug balanced
								POOH to perforate
								Perf @ 2796' Establish pump into perf
								RIH w/ TBG to 2796'
								Set 896' balanced plug 23 SX
#3	1235	3.7	50			850		Circulate Hole w/ Brine
	1248	3.9	3			940		Pump Fresh ahead
	1252	4	4.7			1000		Mix + pump CMT 15.8# 1.15 FT3/SK
	1254	3.9	1			900		Pump Fresh Behind
	1254	3.9	0			950		Start Brine displacement
	1256	0	8.5			0		Shut down plug balanced
								Done for day
								6-8-99
	600							on location
	656	3	0				50	Start to circulate well Perfs 400' 4 1/2 # 3/8
	709		5				120	End
	736	3	0				100	Start Fresh
	742		2					End
	742	3.8	0				100	Start Cement
	805		22					End Cement Mixed 352 sks
								wait To see IF need To 1"

CHEVRON U.S.A.

FIELD: Redwash WELL#: 307 COUNTY: Uintah

LOCATION: NE/SW Sec. 16 - T7S - R24E API # 43-047-32632

Note: 10 PPG. Brine Between All Plugs. Treated w/ Tretolite CRW0132F

LEASE#: ML 3042

EPA ID: N/A

KB: ELEVATION: 5782'

GL: ELEVATION: 5770'

HOLE SIZE: 12 1/4"

SURF.CSG.: 8 5/8" 24# K55

SET @: 391'

CEMENT: 210 Sx

CMT. TOP: Surface

Date Plugged 6-8-99

1> Set CICR @ 4195' Spot 8 Sx cement on CICR.

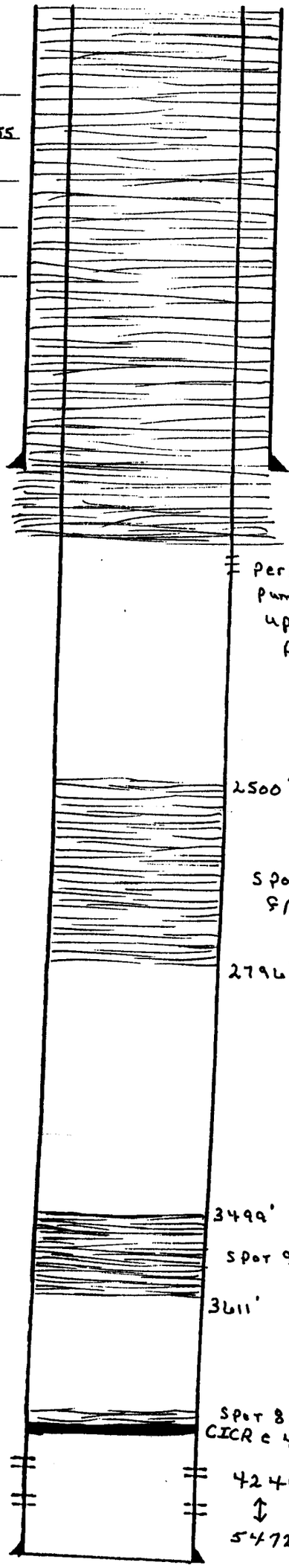
2> Spot A Balanced Plug F/ 3611' TO 3499' w/ 9 Sx cement

3> Perforate 4 SPF @ 2774' could not Pump into @ 900 PSI.

4> Spot A Balanced Plug, F/ 2796' TO 2500' w/ 23 Sx

5> Perforate 4 SPF @ 400' Mix: Pump 352 Sx cement down 4 1/2" Csg: up 8 5/8" Annulus to Surface w/ 30-100% Returns

6> Cut off W.H. Install Dry-Hole Marker.



HOLE SIZE: 6 1/2"

CSG.: 4 1/2" 10.5# K55

SET @: 5244'

CEMENT: 610 Sx

PBTD @: 5520

TD, @: 5250

Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

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SUBMIT IN TRIPLICATE

5. Lease Designation and Serial No.: **ML-3042**

6. If Indian, Allottee or Tribe Name: **N/A**

7. If Unit or CA, Agreement Designation: **RED WASH UNIT**

1. Type of Well: [ ] Oil Well [X] Gas Well [ ] Other

8. Well Name and No.: **RED WASH UNIT 307**

2. Name of Operator: **CHEVRON U.S.A. PRODUCTION COMPANY**

9. API Well No.: **43-047-32632**

3. Address and Telephone No: **11002 E. 17500 S. VERNAL, UT 84078-8526** **(801) 781-4306**

10. Field and Pool, or Exploratory Area: **RED WASH - GREEN RIVER**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

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11. County or Parish, State: **UINTAH, UTAH**

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

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	[ ] Altering Casing	[ ] Conversion to Injection
	[ ] Other _____	[ ] Dispose Water

(Note) Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

RECEIVED
JUN 18 1999
DIV. OF OIL, GAS & MINING

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)

THIS WELL WAS PLUGGED AND ABANDONED ON 6/8/99 AS FOLLOWS:

1. **SET CICR @ 4195' SPOT 8 SX CEMENT ON CICR**
2. **SPOT A BALANCED PLUG FROM 3611' TO 3499' WITH 95 SX CEMENT**
3. **PERFORATE 4 SPF @ 2774' COULD NOT PUMP INTO @ 900 PSI**
4. **SPOT A BALANCED PLUG FROM 2796' TO 2500' WITH 23 SX**
5. **PERFORATE 4 SPF @ 400' MIX AND PUMP 352 SX CEMENT DOWN 4 ½" CSG AND UP 8 5/8" ANNULUS TO SURFACE WITH 30 TO 100% RETURN**
6. **CUT OFF WH INSTALL DRY HOLE MARKER**

All surface facilities and equipment have been removed. We intend to reclaim the location and access road.

14. I hereby certify that the foregoing is true and correct
Signed **D. C. BEAMAN** D C Beaman Title **COMPUTER SYSTEMS OPERATOR** Date **6/16/1999**

(This space for Federal or State office use)

Approved by: _____ Title _____ Date _____

Conditions of approval, if any

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***See instruction on Reverse Side**

INSPECTION FORM 7 STATE OF UTAH
DIVISION OF OIL GAS AND MINING

PLUGGING OPERATIONS

Well Name: RED WASH UNIT 307 API Number: 43-047-32632
Qtr/Qtr: SW/SW Section: 16 Township: 7S Range: 24E
Company Name: CHEVRON USA

Lease: State X Fee Federal Indian

Inspector: DAVID HACKFORD Date: 6/4, 6/7, & 6/8/99

Casing Tested: YES X NO Results: 500 PSI. OK
Cementing Company: HALLIBURTON

Draw a wellbore diagram as plugged:

COMMENTS: GUIDAC BROS. RIG #1 ON WELL.

RUN CICR INSTEAD OF CIBP AT 4195' SO TUBING COULD BE PRESSURE TESTED.

PERFS WERE SHOT AT 2774', BUT THEY COULD NOT BE PUMPED INTO.

A CIRCULATING PERF WAS SHOT AT 400', AND CIRCULATION WAS ESTABLISHED, AND CEMENT PUMPED TO SURFACE. A COPY OF THE CEMENT TICKET AND A WELLBORE DRAWING WILL BE SENT BY REGULAR MAIL TO SLC OFFICE TO BE PLACED IN WELL FILE.

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(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
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FORM APPROVED
Budget Bureau No 1004-0135
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SUBMIT IN TRIPLICATE

1. Type of Well
   Oil Well [ ] Gas Well [ ] Other [X] MULTIPLE WELLS SEE ATTACHED LIST
2. Name of Operator
   CHEVRON U.S.A. INC.
3. Address and Telephone No
   11002 E. 17500 S. VERNAL, UT 84078-8526 **(801) 781-4300**
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

5. Lease Designation and Serial No.
6. If Indian, Allottee or Tribe Name
   N/A
7. If Unit or CA, Agreement Designation
   RED WASH UNIT
   I-SEC NO 761
8. Well Name and No
9. API Well No.
10. Field and Pool, or Exploratory Area
    RED WASH - GREEN RIVER
11. County or Parish, State
    UINTAH, UTAH

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

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[ ] Notice of Intent	[ ] Abandonment	[ ] Change of Plans	
[X] Subsequent Report	[ ] Recompletion	[ ] New Construction	
[ ] Final Abandonment Notice	[ ] Plugging Back	[ ] Non-Routine Fracturing	
	[ ] Casing Repair	[ ] Water Shut-Off	
	[ ] Altering Casing	[ ] Conversion to Injection	
	[X] Other **CHANGE OF OPERATOR**	[ ] Dispose Water	

(Note) Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)

As of January 1, 2000 Chevron U.S.A. INC. resigns as Operator of the Red Wash Unit.
The Unit Number is I-SEC NO 761 effective October 31, 1950.

The successor operator under the Unit Agreement will be
Shenandoah Energy Inc.
475 17th Street, Suite 1000
Denver, CO 80202

Agreed and accepted to this 29th day of December, 1999

Shenandoah Energy Inc.
By: M. L. Solich
Mitchell L. Solich
President

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14. I hereby certify that the foregoing is true and correct.
Signed **A. E. Wacker** A. E. Wacker Title **Assistant Secretary** Date **12/29/99**

(This space for Federal or State office use)

Approved by: Title Date

Conditions of approval, if any

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

***See instruction on Reverse Side**

United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155

RECEIVED
FEB 07 2000
DIVISION OF
OIL, GAS AND MINING

IN REPLY REFER TO
UT-931

February 4, 2000

Shenandoah Energy Inc.
Attn: Rae Cusimano
475 17th Street, Suite 1000
Denver, Colorado 80202

Re: Red Wash Unit
Uintah County, Utah

Gentlemen:

On December 30, 1999, we received an indenture whereby Chevron U.S.A. Inc. resigned as Unit Operator and Shenandoah Energy Inc. was designated as Successor Unit Operator for the Red Wash Unit, Uintah County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective February 4, 2000. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under the Red Wash Unit Agreement.

Your statewide (Utah) oil and gas bond No. 0969 will be used to cover all operations within the Red Wash Unit.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ Robert A. Henricks

Robert A. Henricks
Chief, Branch of Fluid Minerals

Enclosure

cc: Chevron U.S.A. Inc.

bcc: Field Manager - Vernal (w/enclosure)
Division of Oil, Gas & Mining
Minerals Adjudication Group U-932
File - Red Wash Unit (w/enclosure)
MMS - Data Management Division
Agr. Sec. Chron
Fluid Chron

UT931:TAThompson:tt:2/4/00

Well Status Report
Utah State Office
Bureau of Land Management

Lease	Api Number	Well Name	QTR	Section	Township	Range	Well Status	Operator
UTU081	4304715152	24 (34-14B) RED WASH	SWSE	14	T 7S	R23E	POW	CHEVRON U S A INCORPORATED
UTU0566	4304730344	240 (12-36B) RED WAS	SWNW	36	T 7S	R23E	POW	CHEVRON U S A INCORPORATED
UTU081	4304730345	241 (22-14B) RED WAS	SENW	14	T 7S	R23E	PGW	CHEVRON U S A INCORPORATED
UTU081	4304730346	242 (42-13B) RED WAS	SENE	13	T 7S	R23E	POW	CHEVRON U S A INCORPORATED
UTU02148	4304730347	243 (42-18C) RED WAS	SENE	18	T 7S	R24E	POW	CHEVRON U S A INCORPORATED
UTU02149	4304730348	244 (23-19C) RED WAS	NESW	19	T 7S	R24E	PGW	CHEVRON U S A INCORPORATED
~~UTSL071964~~	~~4304730349~~	~~245 (14-30C) RED WAS~~	~~SWSW~~	~~30~~	~~T 7S~~	~~R24E~~	~~ABD~~	~~CHEVRON U S A INCORPORATED~~
UTU02148	4304730387	246 (22-18C) RED WAS	SENW	18	T 7S	R24E	POW	CHEVRON U S A INCORPORATED
UTU02148	4304730388	247 (22-17C) RED WAS	SENW	17	T 7S	R24E	PGW	CHEVRON U S A INCORPORATED
~~UTU02149~~	~~4304730389~~	~~248 (43-20C) RED WAS~~	~~NESE~~	~~20~~	~~T 7S~~	~~R24E~~	~~ABD~~	~~CHEVRON U S A INCORPORATED~~
UTU082	4304716476	25 (23-23B) RED WASH	NESW	23	T 7S	R23E	WIW	CHEVRON U S A INCORPORATED
~~UTSL071965~~	~~4304730391~~	~~250 (41-29C) RED WAS~~	~~NENE~~	~~29~~	~~T 7S~~	~~R24E~~	~~ABD~~	~~CHEVRON U S A INCORPORATED~~
~~UTU0559~~	~~4304730457~~	~~257 (21-23A) RED WAS~~	~~NENW~~	~~23~~	~~T 7S~~	~~R22E~~	~~ABD~~	~~CHEVRON U S A INCORPORATED~~
UTU0559	4304730458	258 (34-22A) RED WAS	SWSE	22	T 7S	R22E	WIW	CHEVRON U S A INCORPORATED
STATE	4304732785	259	SWSW	16	T 7S	R23E	POW	CHEVRON U S A INCORPORATED
UTU081	4304715153	26 (23-22B) RED WASH	NESW	22	T 7S	R23E	TA	CHEVRON U S A INCORPORATED
STATE	4304732786	260	SWSE	16	T 7S	R23E	POW	CHEVRON U S A INCORPORATED
UTU0566	4304730517	262 (22-26B) RED WAS	SENW	26	T 7S	R23E	TA	CHEVRON U S A INCORPORATED
UTU0566	4304730518	263 (24-26B) RED WAS	SESW	26	T 7S	R23E	TA	CHEVRON U S A INCORPORATED
UTU0566	4304730519	264 (31-35B) RED WAS	NWNE	35	T 7S	R23E	WIW	CHEVRON U S A INCORPORATED
UTU0566	4304730520	265 (44-26B) RED WAS	SESE	26	T 7S	R23E	TA	CHEVRON U S A INCORPORATED
UTU0566	4304730521	266 (33-26B) RED WAS	NWSE	26	T 7S	R23E	TA	CHEVRON U S A INCORPORATED
UTU0116	4304732981	267	SWNE	17	T 7S	R23E	POW	CHEVRON U S A INCORPORATED
UTU0566	4304730522	269 (13-26B) RED WAS	NWSW	26	T 7S	R23E	TA	CHEVRON U S A INCORPORATED
UTU081	4304715154	27 (43-14B) RED WASH	NESE	14	T 7S	R23E	TA	CHEVRON U S A INCORPORATED
UTU0566	4304731082	270 (22-35B) RED WAS	SENW	35	T 7S	R23E	POW	CHEVRON U S A INCORPORATED
UTU0566	4304731081	271 (42-35B) RED WAS	SENE	35	T 7S	R23E	TA	CHEVRON U S A INCORPORATED
UTU082	4304731054	272 (44-23B) RED WAS	SESE	23	T 7S	R23E	PGW	CHEVRON U S A INCORPORATED
UTU0566	4304731051	273 (42-27B) RED WAS	SENE	27	T 7S	R23E	TA	CHEVRON U S A INCORPORATED
~~UTU0823~~	~~4304731083~~	~~274 (13-25B) RED WAS~~	~~NWSW~~	~~25~~	~~T 7S~~	~~R23E~~	~~P+A~~	~~CHEVRON U S A INCORPORATED~~
UTU0566	4304731077	275 (31-26B) RED WAS	NENW	26	T 7S	R23E	WIW	CHEVRON U S A INCORPORATED
UTU0566	4304731053	276 (44-27B) RED WAS	SESE	27	T 7S	R23E	TA	CHEVRON U S A INCORPORATED
UTU0566	4304731076	278 (11-26B) RED WAS	NWNW	26	T 7S	R23E	TA	CHEVRON U S A INCORPORATED
STATE	4304731052	279 (11-36B) RED WAS	NWNW	36	T 7S	R23E	WIW	CHEVRON U S A INCORPORATED
UTU081	4304715155	28 (43-22B) RED WASH	NESE	22	T 7S	R23E	POW	CHEVRON U S A INCORPORATED
UTU0566	4304731079	280 (11-35B) RED WAS	NWNW	35	T 7S	R23E	POW	CHEVRON U S A INCORPORATED
~~UTU0823~~	~~4304731078~~	~~281 (11-25B) RED WAS~~	~~NWNW~~	~~25~~	~~T 7S~~	~~R23E~~	~~ABD~~	~~CHEVRON U S A INCORPORATED~~
UTU0566	4304731080	282(42-26B) RED WAS	SENE	26	T 7S	R23E	TA	CHEVRON U S A INCORPORATED
UTU0116	4304732982	283	NESE	18	T 7S	R23E	WIW	CHEVRON U S A INCORPORATED
UTU082	4304731476	284 (33-23B) RED WAS	NWSE	23	T 7S	R23E	PGW	CHEVRON U S A INCORPORATED
UTU082	4304731477	285 (11-24B) RED WAS	NWNW	24	T 7S	R23E	POW	CHEVRON U S A INCORPORATED
UTU0567	4304731478	286 (42-21B) RED WAS	SENE	21	T 7S	R23E	POW	CHEVRON U S A INCORPORATED
UTU081	4304731512	287 (44-13B) RED WAS	SESE	13	T 7S	R23E	TA	CHEVRON U S A INCORPORATED
UTU0566	4304731513	288 (24-27B) RED WAS	SESW	27	T 7S	R23E	TA	CHEVRON U S A INCORPORATED
UTU082	4304731517	289 (13-24B) RED WAS	NWSW	24	T 7S	R23E	POW	CHEVRON U S A INCORPORATED
UTU082	4304715156	29 (32-23B) RED WASH	SWNE	23	T 7S	R23E	POW	CHEVRON U S A INCORPORATED
~~UTU082~~	~~4304731515~~	~~290 (12X-23B) RED WA~~	~~SWNW~~	~~23~~	~~T 7S~~	~~R23E~~	~~ABD~~	~~CHEVRON U S A INCORPORATED~~
~~UTU082~~	~~4304731516~~	~~291 (22X-23B) RED WA~~	~~SENW~~	~~23~~	~~T 7S~~	~~R23E~~	~~ABD~~	~~CHEVRON U S A INCORPORATED~~
UTU082	4304731576	292 (42-23B) RED WAS	SENE	23	T 7S	R23E	TA	CHEVRON U S A INCORPORATED

Well Status Report
Utah State Office
Bureau of Land Management

Lease	Api Number	Well Name	QTR	Section	Township	Range	Well Status	Operator
UTU0559	4304731581	293 (22-22A) RED WAS	SENW	22	T 7S	R22E	OSI	CHEVRON U S A INCORPORATED
UTU02148	4304731582	294 (24-18C) RED WAS	SESW	18	T 7S	R24E	PGW	CHEVRON U S A INCORPORATED
UTU081	4304731577	295 (11-22B) RED WAS	NWNW	22	T 7S	R23E	TA	CHEVRON U S A INCORPORATED
UTU0566	4304731578	296 (12-35B) RED WAS	SWNW	35	T 7S	R23E	POW	CHEVRON U S A INCORPORATED
UTU081	4304731579	297 (24-15B) RED WAS	SESW	15	T 7S	R23E	POW	CHEVRON U S A INCORPORATED
UTU0566	4304731679	298 (22-27B) RED WAS	SENW	27	T 7S	R23E	TA	CHEVRON U S A INCORPORATED
UTU0116	4304733018	299	SWNE	18	T 7S	R23E	POW	CHEVRON U S A INCORPORATED
UTU082	4304715136	3 (34-23B) RED WASH	SWSE	23	T 7S	R23E	POW	CHEVRON U S A INCORPORATED
UTU081	4304715157	30 (23-13B) RED WASH	NESW	13	T 7S	R23E	POW	CHEVRON U S A INCORPORATED
UTU081	4304731682	301 (43-15B) RED WAS	NESE	15	T 7S	R23E	TA	CHEVRON U S A INCORPORATED
UTU082	4304731683	302 (22-24B) RED WAS	SENW	24	T 7S	R23E	TA	CHEVRON U S A INCORPORATED
UTU0116	4304731819	303 (34-17B) RED WAS	SWSE	17	T 7S	R23E	POW	CHEVRON U S A INCORPORATED
UTU0830	4304732538	305	NENE	4	T 8S	R24E	PGW	CHEVRON U S A INCORPORATED
UTU093	4304732629	306	NESW	23	T 7S	R24E	POW	CHEVRON U S A INCORPORATED
~~STATE~~	~~4304732632~~	~~307~~	~~SWSW~~	~~16~~	~~T 7S~~	~~R24E~~	~~ABD~~	~~CHEVRON U S A INCORPORATED~~
~~UTSL071965~~	~~4304732627~~	~~308~~	~~SESW~~	~~28~~	~~T 7S~~	~~R24E~~	~~P+A~~	~~CHEVRON U S A INCORPORATED~~
UTU081	4304715158	31 (34-22B) RED WASH	SWSE	22	T 7S	R23E	POW	CHEVRON U S A INCORPORATED
~~UTSL071965~~	~~4304732628~~	~~311~~	~~NESW~~	~~26~~	~~T 7S~~	~~R24E~~	~~P+A~~	~~CHEVRON U S A INCORPORATED~~
~~UTSL071963~~	~~4304732595~~	~~312~~	~~SWNE~~	~~34~~	~~T 7S~~	~~R24E~~	~~ABD~~	~~CHEVRON U S A INCORPORATED~~
~~UTU02149~~	~~4304732630~~	~~313~~	~~NESW~~	~~20~~	~~T 7S~~	~~R24E~~	~~ABD~~	~~CHEVRON U S A INCORPORATED~~
~~UTSL071965~~	~~4304732626~~	~~314~~	~~SESW~~	~~29~~	~~T 7S~~	~~R24E~~	~~ABD~~	~~CHEVRON U S A INCORPORATED~~
UTU081	4304715160	33 (14-14B) RED WASH	SWSW	14	T 7S	R23E	TA	CHEVRON U S A INCORPORATED
UTU081	4304715161	34 (23-14B) RED WASH	NESW	14	T 7S	R23E	WIW	CHEVRON U S A INCORPORATED
UTU081	4304715162	35 (43-13B) RED WASH	NESE	13	T 7S	R23E	TA	CHEVRON U S A INCORPORATED
UTU081	4304715163	36 (32-13B) RED WASH	SWNE	13	T 7S	R23E	POW	CHEVRON U S A INCORPORATED
~~UTU0823~~	~~4304715164~~	~~37 (41-25B) RED WASH~~	~~NENE~~	~~25~~	~~T 7S~~	~~R23E~~	~~ABD~~	~~CHEVRON U S A INCORPORATED~~
UTU082	4304715165	38 (14-23B) RED WASH	SWSW	23	T 7S	R23E	POW	CHEVRON U S A INCORPORATED
UTU0561	4304715166	39 (14-24A) RED WASH	SWSW	24	T 7S	R22E	TA	CHEVRON U S A INCORPORATED
UTU081	4304715137	4 (41-22B) RED WASH	NENE	22	T 7S	R23E	TA	CHEVRON U S A INCORPORATED
UTU082	4304715167	40 (21-24B) RED WASH	NENW	24	T 7S	R23E	POW	CHEVRON U S A INCORPORATED
UTU081	4304715168	41 (34-13B) RED WASH	SWSE	13	T 7S	R23E	POW	CHEVRON U S A INCORPORATED
UTSL071965	4304715169	42 (21-29C) RED WASH	NENW	29	T 7S	R24E	PGW	CHEVRON U S A INCORPORATED
UTU0116	4304715170	43 (12-17B) RED WASH	SWNW	17	T 7S	R23E	POW	CHEVRON U S A INCORPORATED
UTU0829	4304715171	44 (32-33C) RED WASH	SWNE	33	T 7S	R24E	PGW	CHEVRON U S A INCORPORATED
UTU02030	4304715172	45 (23-30B) RED WASH	NESW	30	T 7S	R23E	TA	CHEVRON U S A INCORPORATED
UTU080	4304715173	46 (41-21C) RED WASH	NENE	21	T 7S	R24E	PGW	CHEVRON U S A INCORPORATED
UTU02030	4304715174	48 (32-19B) RED WASH	SWNE	19	T 7S	R23E	TA	CHEVRON U S A INCORPORATED
UTU02025	4304715175	49 (12-29B) RED WASH	SWNW	29	T 7S	R23E	TA	CHEVRON U S A INCORPORATED
UTU082	4304715138	5 (41-23B) RED WASH	NENE	23	T 7S	R23E	POW	CHEVRON U S A INCORPORATED
UTU0559	4304715176	50 (14-23A) RED WASH	SWSW	23	T 7S	R22E	POW	CHEVRON U S A INCORPORATED
STATE	4304715177	51 (12-16B) RED WASH	SWNW	16	T 7S	R23E	POW	CHEVRON U S A INCORPORATED
UTU0116	4304715178	52 (14-18B) RED WASH	SWSW	18	T 7S	R23E	TA	CHEVRON U S A INCORPORATED
UTU0561	4304715179	53 (41-25A) RED WASH	NENE	25	T 7S	R22E	POW	CHEVRON U S A INCORPORATED
~~UTU0559~~	~~4304715181~~	~~55 (41-21A) RED WASH~~	~~NENE~~	~~21~~	~~T 7S~~	~~R22E~~	~~P+A~~	~~CHEVRON U S A INCORPORATED~~
UTU02030	4304715182	56 (41-28B) RED WASH	NENE	28	T 7S	R23E	WIW	CHEVRON U S A INCORPORATED
UTU02148	4304715183	57 (12-18C) RED WASH	SWNW	18	T 7S	R24E	POW	CHEVRON U S A INCORPORATED
UTU082	4304716477	59 (12-24B) RED WASH	SWNW	24	T 7S	R23E	WIW	CHEVRON U S A INCORPORATED
UTU0567	4304716482	6 (41-21B) RED WASH	NENE	21	T 7S	R23E	WIW	CHEVRON U S A INCORPORATED
UTU02025	4304715184	60 (43-30B) RED WASH	NESE	30	T 7S	R23E	TA	CHEVRON U S A INCORPORATED

Well Status Report
Utah State Office
Bureau of Land Management

Lease	Api Number	Well Name	QTR	Section	Township	Range	Well Status	Operator
UTU0559	4304731581	293 (22-22A) RED WAS	SENW	22	T 7S	R22E	OSI	CHEVRON U S A INCORPORATED
UTU02148	4304731582	294 (24-18C) RED WAS	SESW	18	T 7S	R24E	PGW	CHEVRON U S A INCORPORATED
UTU081	4304731577	295 (11-22B) RED WAS	NWNW	22	T 7S	R23E	TA	CHEVRON U S A INCORPORATED
UTU0566	4304731578	296 (12-35B) RED WAS	SWNW	35	T 7S	R23E	POW	CHEVRON U S A INCORPORATED
UTU081	4304731579	297 (24-15B) RED WAS	SESW	15	T 7S	R23E	POW	CHEVRON U S A INCORPORATED
UTU0566	4304731679	298 (22-27B) RED WAS	SENW	27	T 7S	R23E	TA	CHEVRON U S A INCORPORATED
UTU0116	4304733018	299	SWNE	18	T 7S	R23E	POW	CHEVRON U S A INCORPORATED
UTU082	4304715136	3 (34-23B) RED WASH	SWSE	23	T 7S	R23E	POW	CHEVRON U S A INCORPORATED
UTU081	4304715157	30 (23-13B) RED WASH	NESW	13	T 7S	R23E	POW	CHEVRON U S A INCORPORATED
UTU081	4304731682	301 (43-15B) RED WAS	NESE	15	T 7S	R23E	TA	CHEVRON U S A INCORPORATED
UTU082	4304731683	302 (22-24B) RED WAS	SENW	24	T 7S	R23E	TA	CHEVRON U S A INCORPORATED
UTU0116	4304731819	303 (34-17B) RED WAS	SWSE	17	T 7S	R23E	POW	CHEVRON U S A INCORPORATED
UTU0830	4304732538	305	NENE	4	T 8S	R24E	PGW	CHEVRON U S A INCORPORATED
UTU093	4304732629	306	NESW	23	T 7S	R24E	POW	CHEVRON U S A INCORPORATED
~~STATE~~	~~4304732632~~	~~307~~	~~SWSW~~	~~16~~	~~T 7S~~	~~R24E~~	~~ABD~~	~~CHEVRON U S A INCORPORATED~~
~~UTSL071965~~	~~4304732627~~	~~308~~	~~SESW~~	~~28~~	~~T 7S~~	~~R24E~~	~~P+A~~	~~CHEVRON U S A INCORPORATED~~
UTU081	4304715158	31 (34-22B) RED WASH	SWSE	22	T 7S	R23E	POW	CHEVRON U S A INCORPORATED
~~UTSL071965~~	~~4304732628~~	~~311~~	~~NESW~~	~~26~~	~~T 7S~~	~~R24E~~	~~P+A~~	~~CHEVRON U S A INCORPORATED~~
~~UTSL071963~~	~~4304732595~~	~~312~~	~~SWNE~~	~~34~~	~~T 7S~~	~~R24E~~	~~ABD~~	~~CHEVRON U S A INCORPORATED~~
~~UTU02149~~	~~4304732630~~	~~313~~	~~NESW~~	~~20~~	~~T 7S~~	~~R24E~~	~~ABD~~	~~CHEVRON U S A INCORPORATED~~
~~UTSL071965~~	~~4304732626~~	~~314~~	~~SESW~~	~~29~~	~~T 7S~~	~~R24E~~	~~ABD~~	~~CHEVRON U S A INCORPORATED~~
UTU081	4304715160	33 (14-14B) RED WASH	SWSW	14	T 7S	R23E	TA	CHEVRON U S A INCORPORATED
UTU081	4304715161	34 (23-14B) RED WASH	NESW	14	T 7S	R23E	WIW	CHEVRON U S A INCORPORATED
UTU081	4304715162	35 (43-13B) RED WASH	NESE	13	T 7S	R23E	TA	CHEVRON U S A INCORPORATED
UTU081	4304715163	36 (32-13B) RED WASH	SWNE	13	T 7S	R23E	POW	CHEVRON U S A INCORPORATED
~~UTU0823~~	~~4304715164~~	~~37 (41-25B) RED WASH~~	~~NENE~~	~~25~~	~~T 7S~~	~~R23E~~	~~ABD~~	~~CHEVRON U S A INCORPORATED~~
UTU082	4304715165	38 (14-23B) RED WASH	SWSW	23	T 7S	R23E	POW	CHEVRON U S A INCORPORATED
UTU0561	4304715166	39 (14-24A) RED WASH	SWSW	24	T 7S	R22E	TA	CHEVRON U S A INCORPORATED
UTU081	4304715137	4 (41-22B) RED WASH	NENE	22	T 7S	R23E	TA	CHEVRON U S A INCORPORATED
UTU082	4304715167	40 (21-24B) RED WASH	NENW	24	T 7S	R23E	POW	CHEVRON U S A INCORPORATED
UTU081	4304715168	41 (34-13B) RED WASH	SWSE	13	T 7S	R23E	POW	CHEVRON U S A INCORPORATED
UTSL071965	4304715169	42 (21-29C) RED WASH	NENW	29	T 7S	R24E	PGW	CHEVRON U S A INCORPORATED
UTU0116	4304715170	43 (12-17B) RED WASH	SWNW	17	T 7S	R23E	POW	CHEVRON U S A INCORPORATED
UTU0829	4304715171	44 (32-33C) RED WASH	SWNE	33	T 7S	R24E	PGW	CHEVRON U S A INCORPORATED
UTU02030	4304715172	45 (23-30B) RED WASH	NESW	30	T 7S	R23E	TA	CHEVRON U S A INCORPORATED
UTU080	4304715173	46 (41-21C) RED WASH	NENE	21	T 7S	R24E	PGW	CHEVRON U S A INCORPORATED
UTU02030	4304715174	48 (32-19B) RED WASH	SWNE	19	T 7S	R23E	TA	CHEVRON U S A INCORPORATED
UTU02025	4304715175	49 (12-29B) RED WASH	SWNW	29	T 7S	R23E	TA	CHEVRON U S A INCORPORATED
UTU082	4304715138	5 (41-23B) RED WASH	NENE	23	T 7S	R23E	POW	CHEVRON U S A INCORPORATED
UTU0559	4304715176	50 (14-23A) RED WASH	SWSW	23	T 7S	R22E	POW	CHEVRON U S A INCORPORATED
STATE	4304715177	51 (12-16B) RED WASH	SWNW	16	T 7S	R23E	POW	CHEVRON U S A INCORPORATED
UTU0116	4304715178	52 (14-18B) RED WASH	SWSW	18	T 7S	R23E	TA	CHEVRON U S A INCORPORATED
UTU0561	4304715179	53 (41-25A) RED WASH	NENE	25	T 7S	R22E	POW	CHEVRON U S A INCORPORATED
~~UTU0559~~	~~4304715181~~	~~55 (41-21A) RED WASH~~	~~NENE~~	~~21~~	~~T 7S~~	~~R22E~~	~~P+A~~	~~CHEVRON U S A INCORPORATED~~
UTU02030	4304715182	56 (41-28B) RED WASH	NENE	28	T 7S	R23E	WIW	CHEVRON U S A INCORPORATED
UTU02148	4304715183	57 (12-18C) RED WASH	SWNW	18	T 7S	R24E	POW	CHEVRON U S A INCORPORATED
UTU082	4304716477	59 (12-24B) RED WASH	SWNW	24	T 7S	R23E	WIW	CHEVRON U S A INCORPORATED
UTU0567	4304716482	6 (41-21B) RED WASH	NENE	21	T 7S	R23E	WIW	CHEVRON U S A INCORPORATED
UTU02025	4304715184	60 (43-30B) RED WASH	NESE	30	T 7S	R23E	TA	CHEVRON U S A INCORPORATED

Division of Oil, Gas and Mining

OPERATOR CHANGE WORKSHEET

ROUTING		
1. GLH		4-KAS
2. CDW ✓		5-[illegible] ✓
3. JLT		6-FILE

Enter date after each listed item is completed

X Change of Operator (Well Sold) Designation of Agent

Operator Name Change (Only) Merger

The operator of the well(s) listed below has changed, effective: **01-01-2000**

FROM: (Old Operator):	**TO:** (New Operator):
CHEVRON USA INC	SHENANDOAH ENERGY INC
Address: 11002 E. 17500 S.	Address: 11002 E. 17500 S.
VERNAL, UT 84078-8526	VERNAL, UT 84078
Phone: 1-(435)-781-4300	Phone: 1-(435)-781-4300
Account No. N0210	Account N4235

CA No. **Unit:** **RED WASH**

WELL(S)

NAME	API NO.	ENTITY NO.	SEC. TWN RNG	LEASE TYPE	WELL TYPE	WELL STATUS
RWU 293 (22-22A)	43-047-31581	5670	22-07S-22E	FEDERAL	OW	TA
RWU 30 (23-13B)	43-047-15157	5670	13-07S-23E	FEDERAL	GW	TA
RWU 297 (24-15B)	43-047-31579	5670	15-07S-23E	FEDERAL	OW	P
RWU 301 (43-15B)	43-047-31682	5670	15-07S-23E	FEDERAL	GW	P
RWU 303 (34-17B)	43-047-31819	5670	17-07S-23E	FEDERAL	OW	P
RWU 299 (32-18B)	43-047-33018	5670	18-07S-23E	FEDERAL	OW	P
RWU 295 (11-22B)	43-047-31577	5670	22-07S-23E	FEDERAL	GW	S
RWU 31 (34-22B)	43-047-15158	5670	22-07S-23E	FEDERAL	OW	P
RWU 290 (12X-23B)	43-047-31515	5670	23-07S-23E	FEDERAL	OW	PA
RWU 291 (22X-23B)	43-047-31516	5670	23-07S-23E	FEDERAL	OW	PA
RWU 29 (32-23B)	43-047-15156	5670	23-07S-23E	FEDERAL	OW	P
RWU 292 (42-23B)	43-047-31576	5670	23-07S-23E	FEDERAL	GW	TA
RWU 3 (34-23B)	43-047-15136	5670	23-07S-23E	FEDERAL	OW	P
RWU 289 (13-24B)	43-047-31517	5670	24-07S-23E	FEDERAL	OW	P
RWU 302 (22-24B)	43-047-31683	5670	24-07S-23E	FEDERAL	GW	S
RWU 298 (22-27B)	43-047-31679	5670	27-07S-23E	FEDERAL	OW	TA
RWU 296 (12-35B)	43-047-31578	5670	35-07S-23E	FEDERAL	OW	P
RWU 307	43-047-32632	5670	16-07S-24E	STATE	GW	PA
RWU 294 (24-18C)	~~43-047-31582~~	5670	~~18-07S-24E~~	FEDERAL	GW	P
RWU 306	43-047-32629	5670	23-07S-24E	FEDERAL	GW	P
RWU 308	43-047-32627	5670	28-07S-24E	FEDERAL	GW	PA
RWU 305 (41-4F)	43-047-32538	5670	04-08S-24E	FEDERAL	GW	TA

OPERATOR CHANGES DOCUMENTATION

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 12-30-1999

2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 08-09-2000

3. The new company has been checked through the **Department of Commerce, Division of Corporations Database on:** 08-23-2000

4. Is the new operator registered in the State of Utah: YES Business Number: 224885

5. If **NO**, the operator was contacted contacted on: _____

6. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the (merger, name change, or operator change for all wells listed on Federal or Indian leases on: 02/04/2000

7. **Federal and Indian Units:** The BLM or BIA has approved the successor of unit operator for wells listed on: 02/04/2000

8. **Federal and Indian Communization Agreements ("CA"):** The BLM or the BIA has approved the operator change for all wells listed involved in a CA on: N/A

9. **Underground Injection Control ("UIC") Pro** The Division has approved UIC Form 5, **Transfer of Authority to Inject,** for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database on:** 09/20/2000

2. Changes have been entered on the **Monthly Operator Change Spread Sheet on:** 09/20/2000

3. Bond information entered in RBDMS on: N/A

4. Fee wells attached to bond in RBDMS on: N/A

STATE BOND VERIFICATION:

1. State well(s) covered by Bond No.: 159261960

FEE WELLS - BOND VERIFICATION/LEASE INTEREST OWNER NOTIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed has furnished a bond: N/A

2. The **FORMER** operator has requested a release of liability from their bond on: N/A
   The Division sent response by letter on: N/A

3. (R649-2-10) The **FORMER** operator of the Fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on:

FILMING:

1. All attachments to this form have been **MICROFILMED** on: 03-09-01

FILING:

1. **ORIGINALS/COPIES** of all attachments pertaining to each individual well have been filled in each well file on: _____

COMMENTS: